

9M05 Test Report

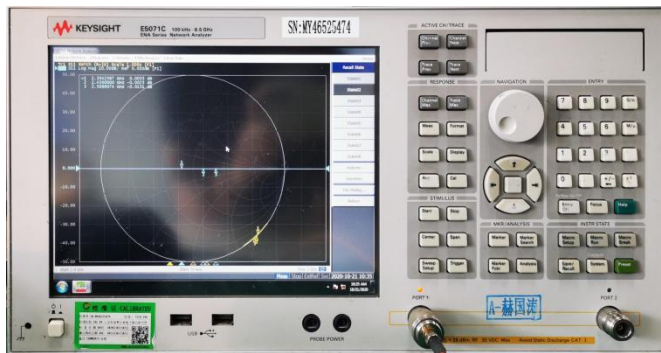
客 户 名:	全盟
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日 期:	2023.6.15

报告目录

- Test conditions
- Prototype appearance
- Matching parameters
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测试条件

- 1. S parameter measurement
- 2. Equipment: Network analyzer (Agilent E5062A), microwave anechoic chamber, MT8852B
- 3. Project: Impedance, Return Loss, VSWR, Efficiency, Gain, Radiated Field Type, Sensitivity, Power, Frequency Offset Active Data TRP TIS

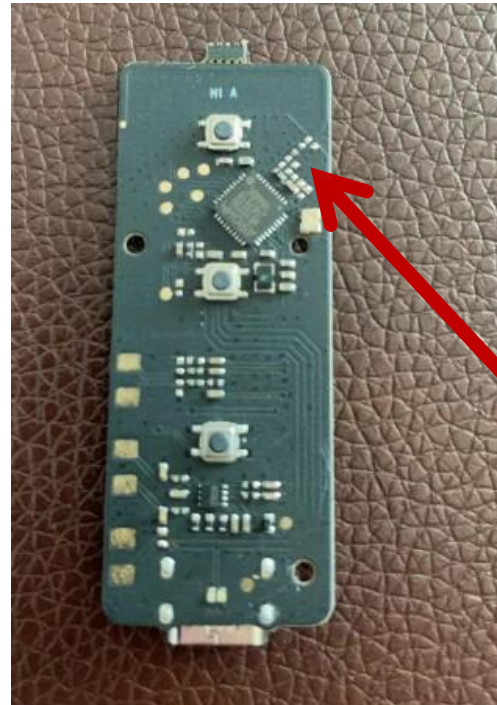


样机外观

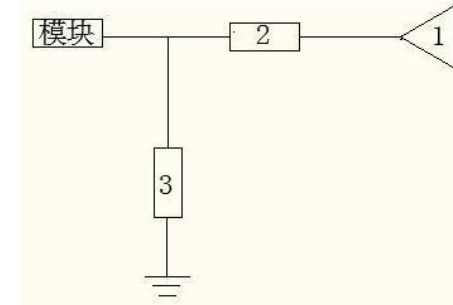
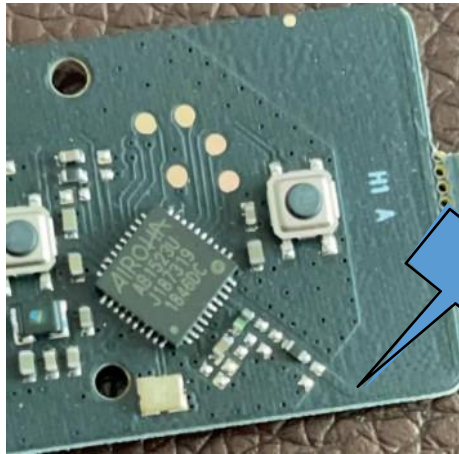
1. Prototype appearance
diagram



2. Antenna placement position
diagram



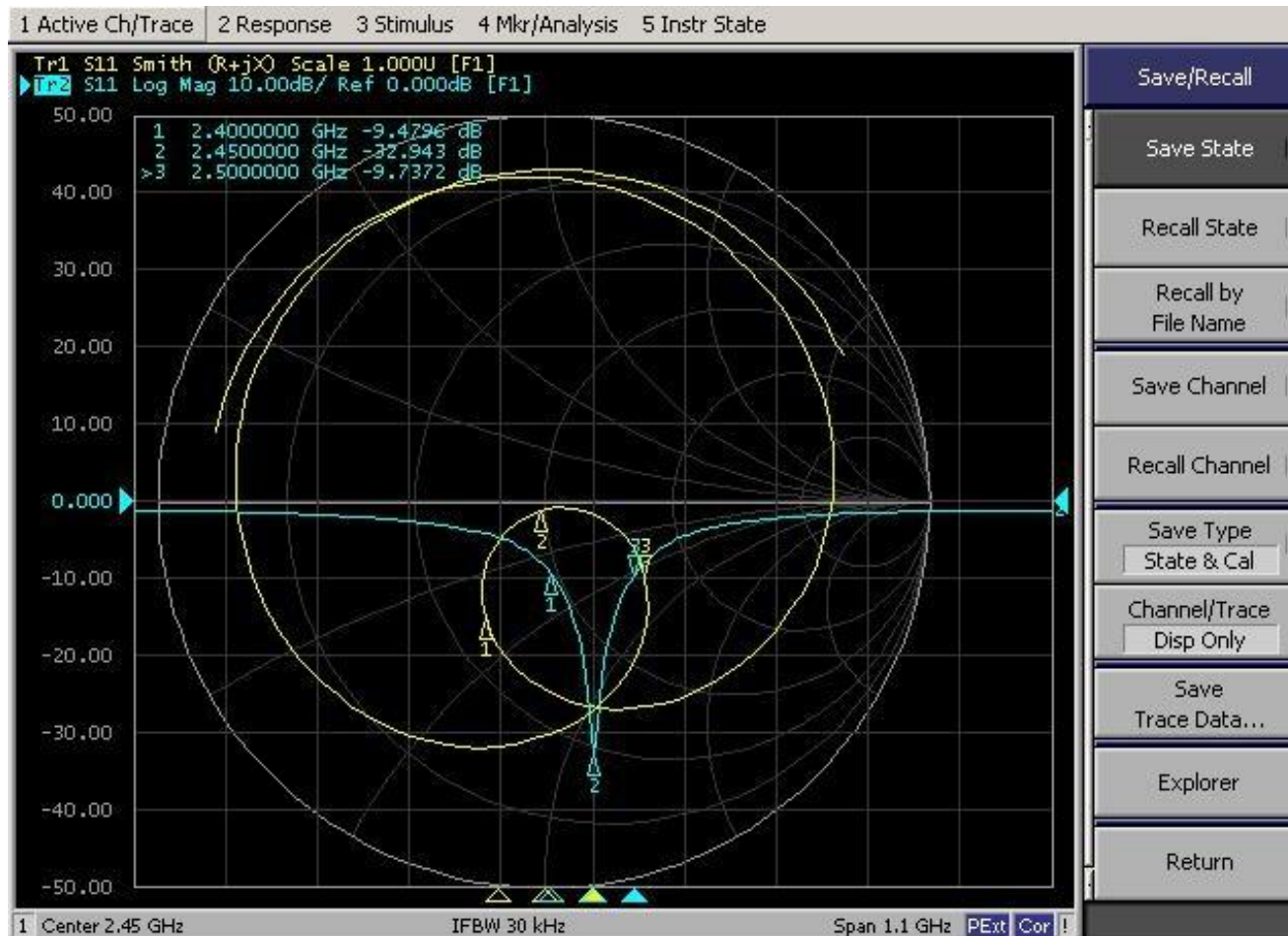
Matching parameters



number	model	specifications	manufacturer	Item number	public errand
1	resistance 0402		Murata	OR	

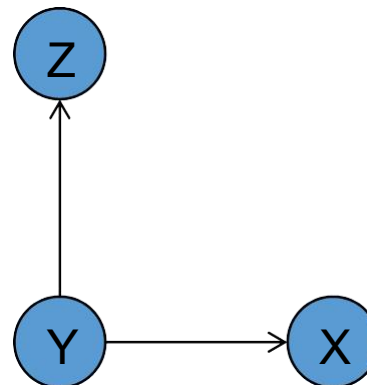
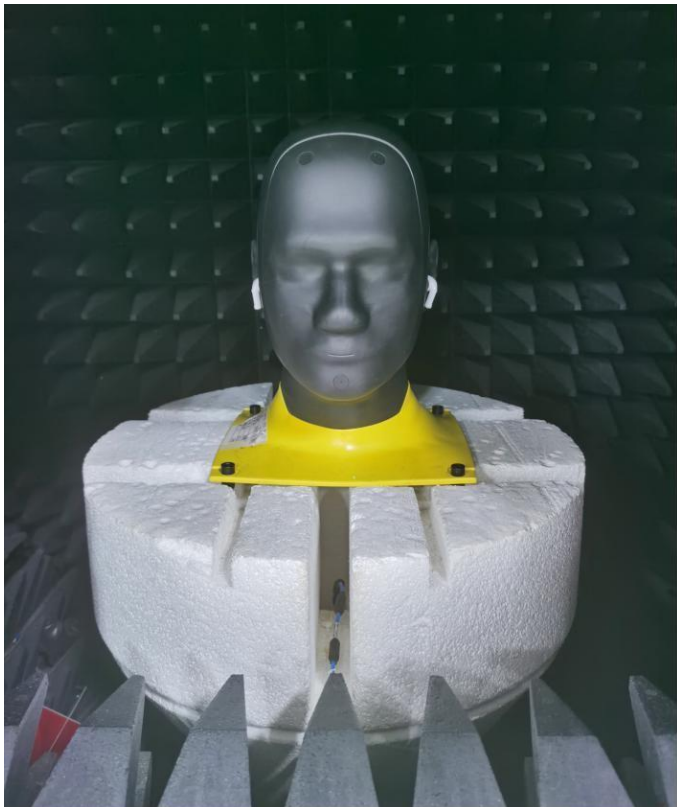
Network division debugging antenna

S parameters



Microwave anechoic chamber testing antenna efficiency field pattern

1. Microwave anechoic chamber testing antenna efficiency



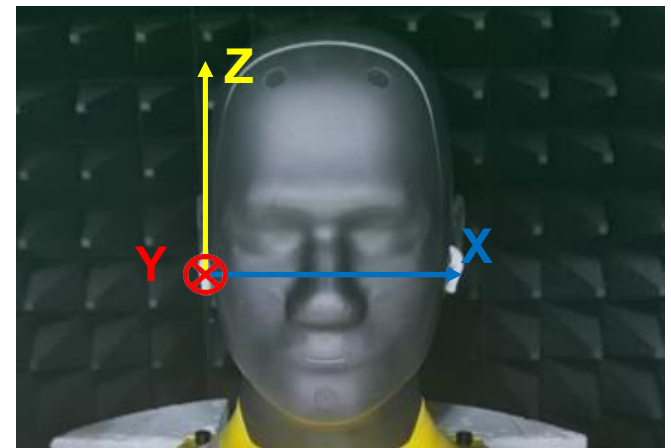
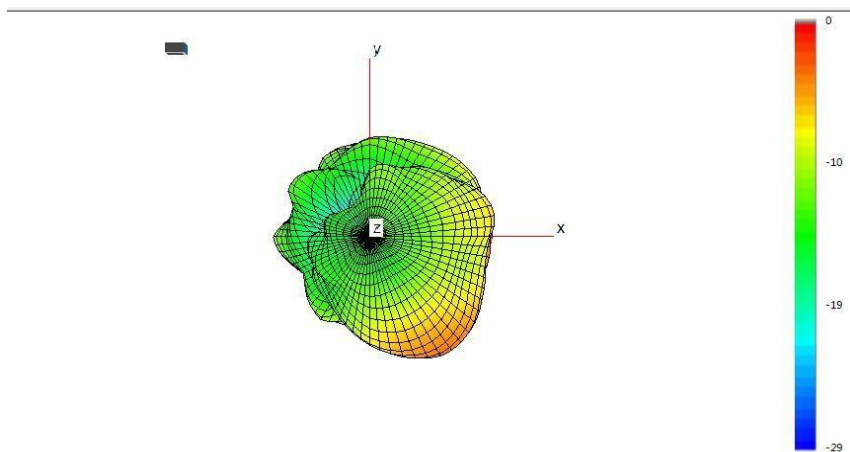
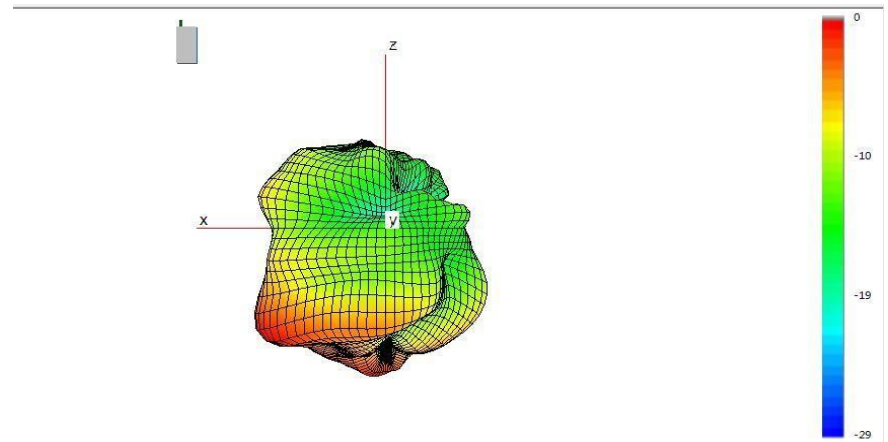
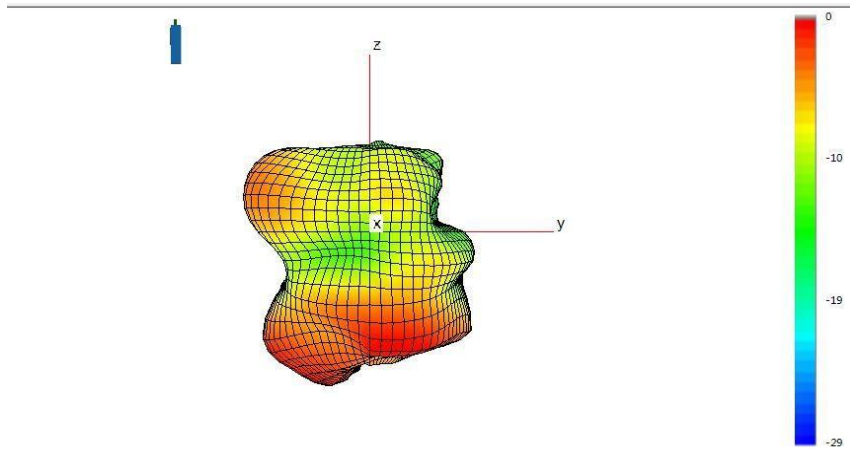
Characteristic evaluation		check
6%	Low	☐
10%	Medium	☒
18%	high	☐

Microwave anechoic chamber testing antenna efficiency field pattern

2. test data sheet

Freq (MHz)	Gain (dB)	Efficiency (dB)	Efficiency (%)
2400	-0.14	-8.44	14.33
2410	-0.13	-8.46	14.27
2420	-0.14	-8.53	14.03
2430	0.01	-8.37	14.56
2440	-0.01	-8.34	14.67
2450	-0.15	-8.46	14.27
2460	-0.52	-8.71	13.46
2470	-0.85	-8.99	12.63
2480	-1.28	-9.20	12.02
2490	-1.88	-9.60	10.97
2500	-2.65	-10.33	9.26

3. Field type



Debugging Summary

Summarize

The efficiency of darkroom testing is 14%, and the testing distance on the rooftop using the Samsung S6 is 8 meters. It is recommended that customers place the battery outlet end under the antenna.

Thanks for Your Attention