



Shenzhen Yingfeng antenna technology Co., LTD

D06 Test Report

Guest household | **Ling 'an Wireless**

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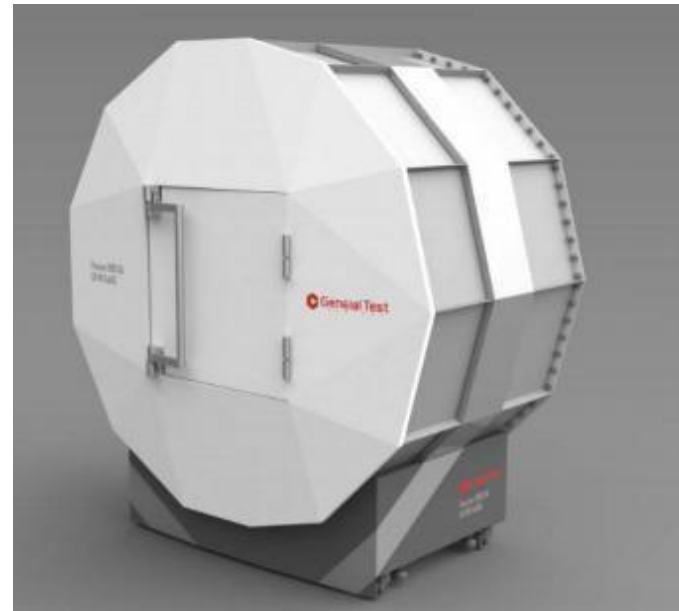
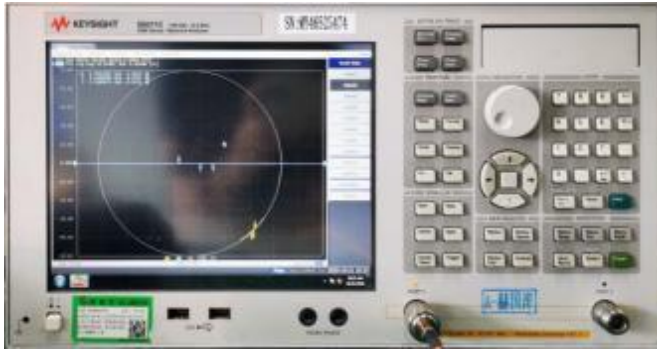


Test condition

- 1.S Parameter measurement
- 2.Equipment: Network analyzer (Agilent E5062A), Microwave darkroom, MT8852B
- 3.Item: Impedance, return loss, VSWR, Efficiency, gain, radiant field pattern, sensitivity, power, Frequency offset active data TRP TIS



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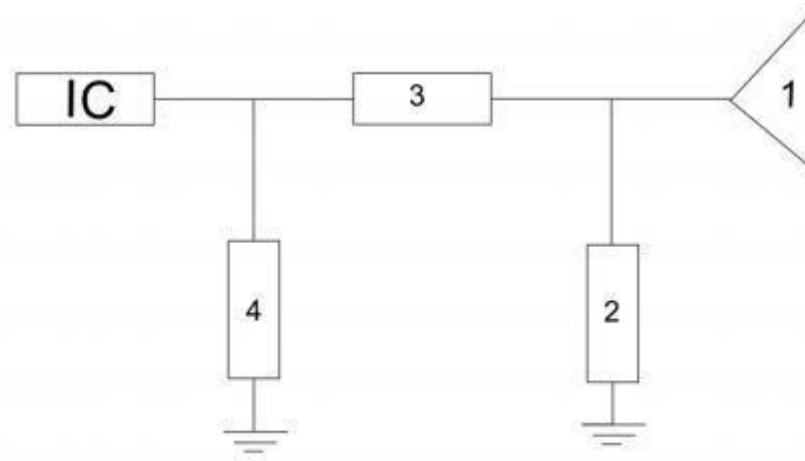
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Prototype appearance





Matching parameters (on-board ring)



ID	Model number	specification	manufacturer	Part number (P/N)	allowance	
1	onboard					
2	NC					
3	capacitance	1.5PF/0402	Murata		$\pm 0.1\text{NH}$	

4	inductance	4.3NH/0402	Murata		$\pm 0.1\text{NH}$	
5						

Network debugging antenna S parameters

Debugging waveform

ring



Free field efficiency of the whole machine

Ring efficiency

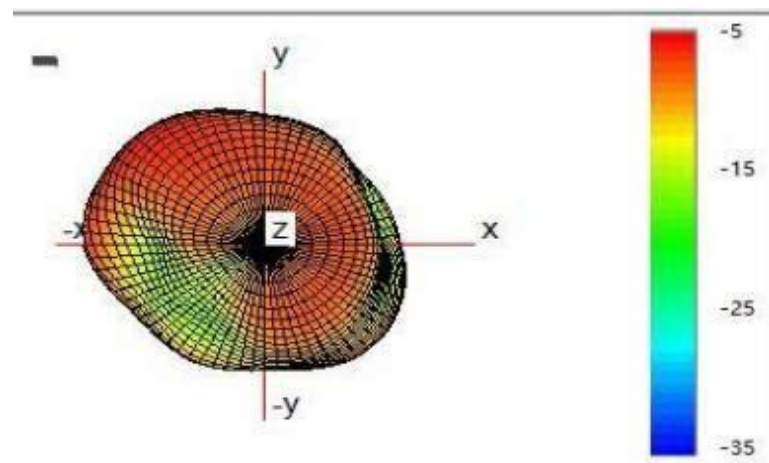
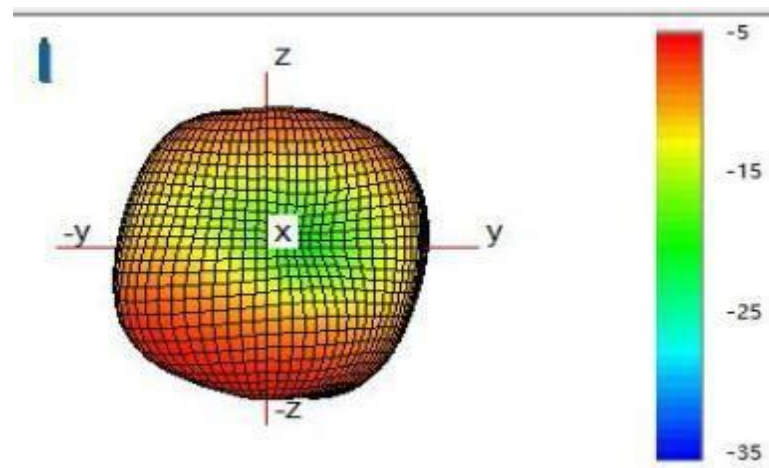
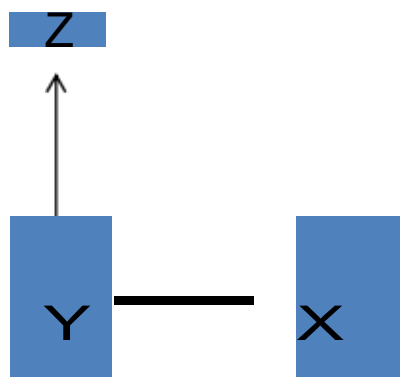
Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)	-
2400	5.638819625	-9.082557591	12.35219789	
2410	-5.525699349	-8.98747733	12.62560701	
2420	-5.483687137	-8.97032589	12.67556746	
2430	-5.470403454	-8.915894575	12.83543354	
2440	-5.34501599	-8.763098944	13.295054	
2450	-5.411438619	-8.776286544	13.25474404	
2460	-5.590595727	-8.914002735	12.84102603	
2470	-5.520103724	-8.812247635	13.14544331	

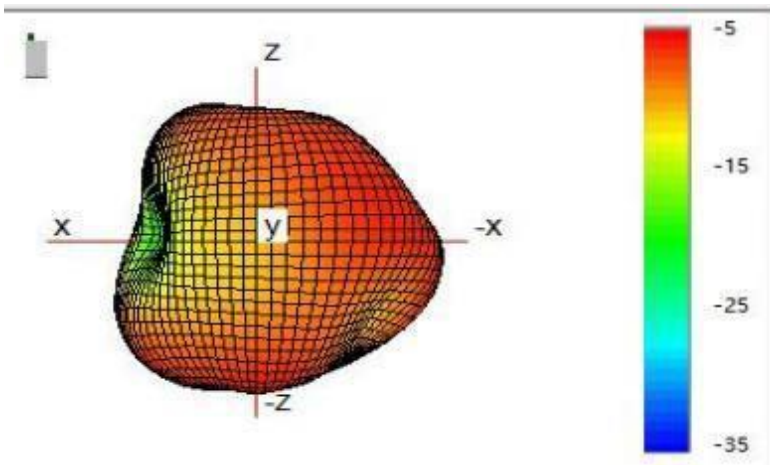
2480	-5.28507728	-8.69594234	13.50223822
2490	-5.36207069	-8.765474855	13.28778261
2500	-5.25685849	-8.702283996	13.48253637



The whole machine free field type

Ring field pattern





Sum up

1. Ring the battery cable away from the antenna area.

Thanksfor Your Attention