



Shenzhen Yingfeng antenna technology
Co., LTD

MC005 Test Report

Cient	Deep asteridae
product	speaker
Engineer	Mr Xu
telephone	15195476167
mailbox	lyg@yingfengtianxian.com
date	2023-10-08



Report catalog

⊕ Test equipment

prototype appearance

antenna appearance

Match parameter

displays the S-parameters of the antenna

free-field passive efficiency of the whole machine

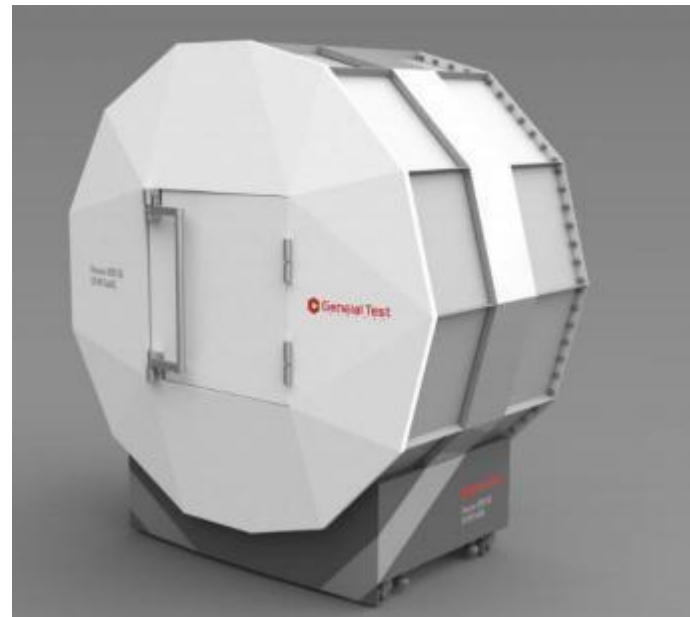
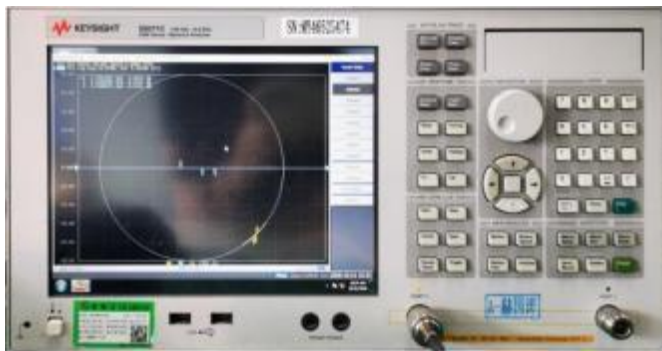
Machine free field passive field type



Test condition

1. S parameter measurement

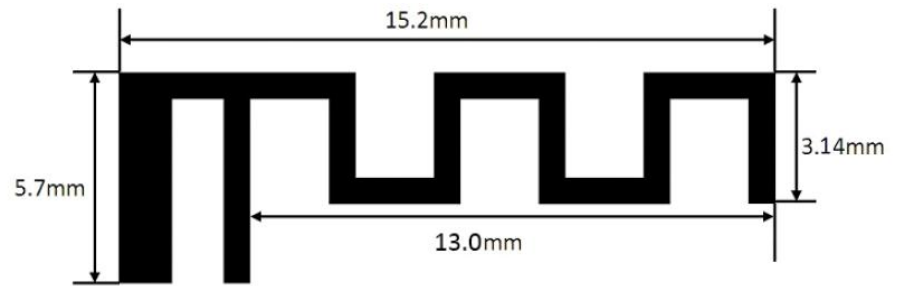
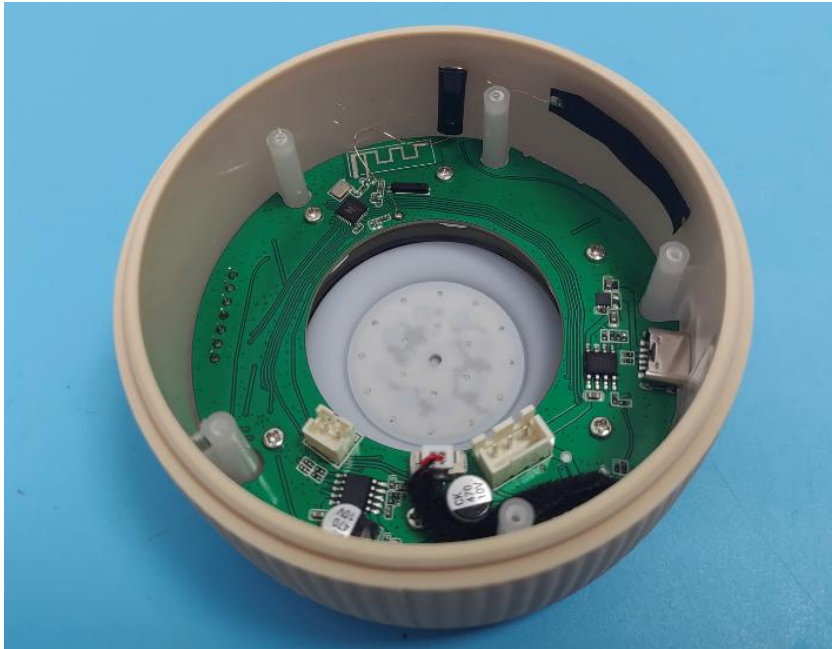
- 2. Equipment: Network analyzer (Agilent E5062A), microwave darkroom, MT8852B
- 3. Items: Impedance, return loss, VSWR, efficiency, gain, radiant field type, sensitivity, power, frequency offset active data TRP TIS





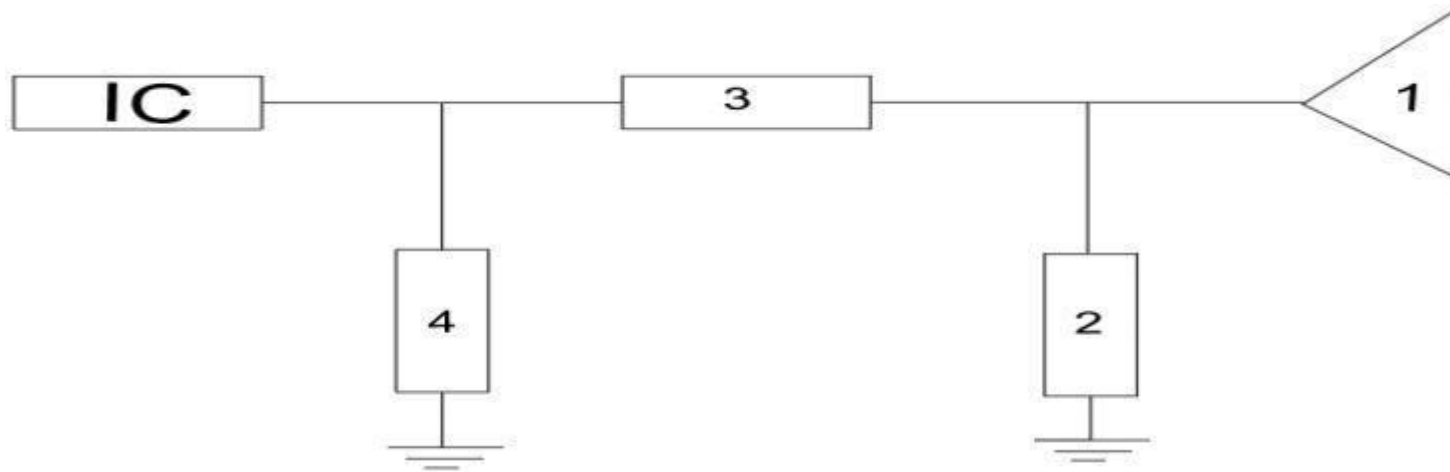
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样机外观





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ID						
1	onboard					
2	NC					
3	capacitan	1.5PF/0201	Murata		±0.1PF	
4	capacitan	1.8PF/0201	Murata		±0.1PF	



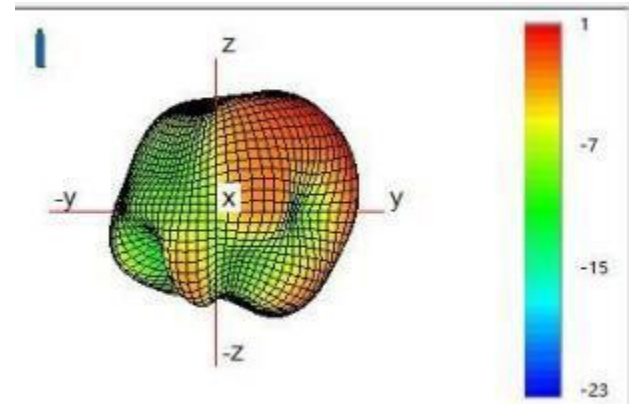
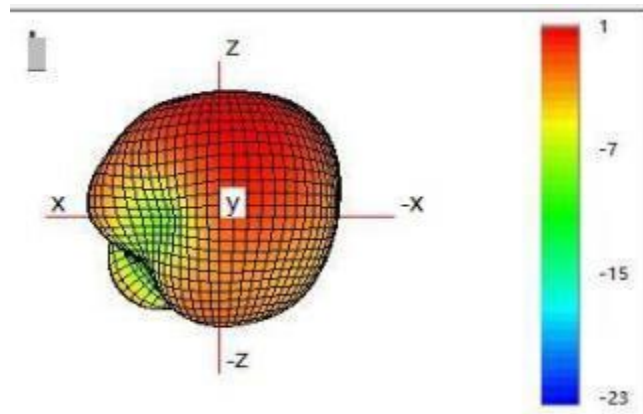
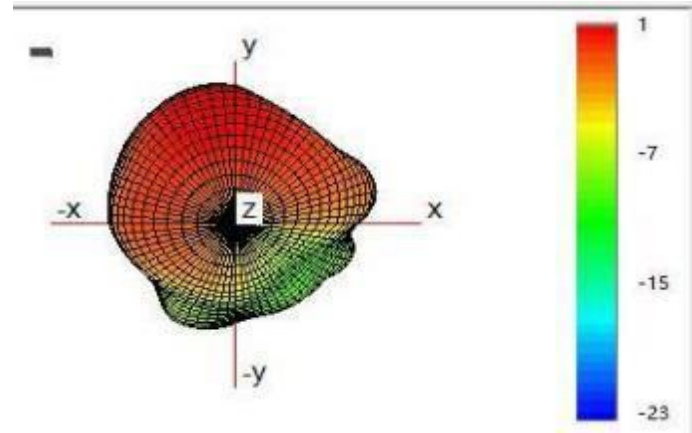
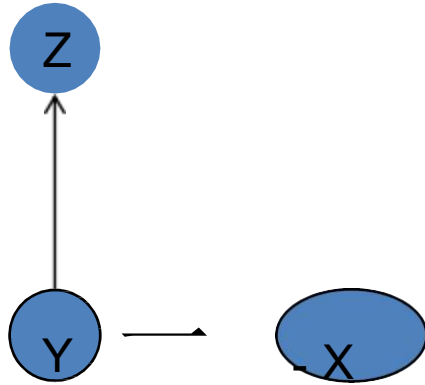
Network debugging antenna

Debugging waveform





Field
pattern
diagram





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Summary

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency	Horizontal			Vertical		
	2400MHz	2400MHz	2500MHz	2400MHz	2400MHz	2500MHz
	-1.26 dB	-0.76 dB	-0.58 dB	-5.25 dB	-2.46 dB	-1.86 dB
MAX. Gain	-0.58dB					
Polarization	Horizontal and Vertical					
Azimuth Beam Pattern	Omni-directional					
Impedance	50 Ohm					
Antenna Length	38.20mm					
Manufacture	ZHUHAI JIELI TECHNOLOGY CO.,LTD					



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Thanksfor Your Attention