



Shenzhen Yingfeng antenna technology Co., LTD

ZS300 Test Report

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Day period	2025.03.31



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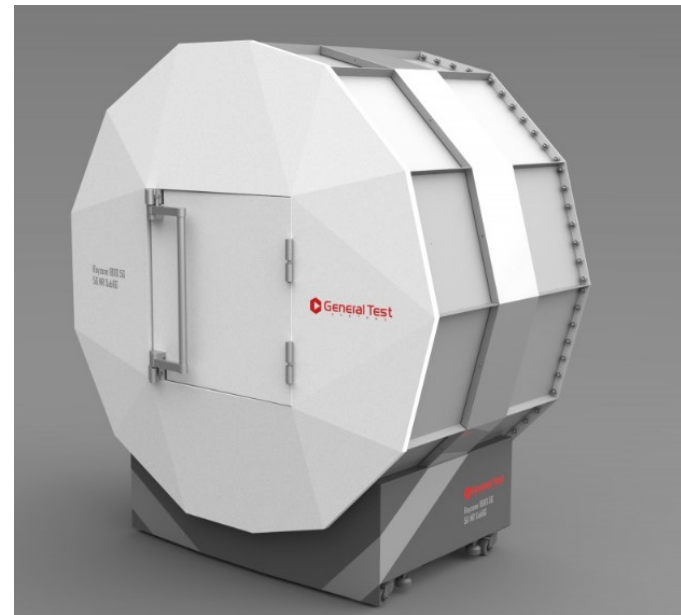
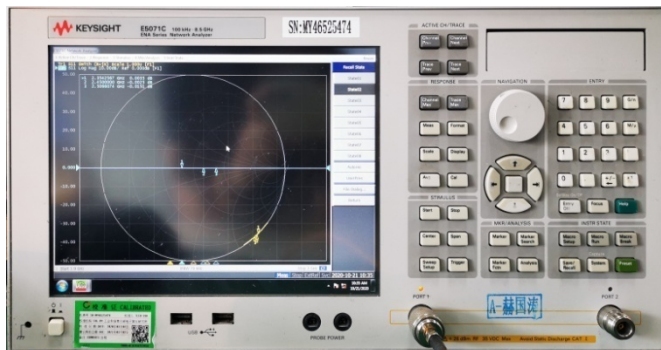
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Test condition

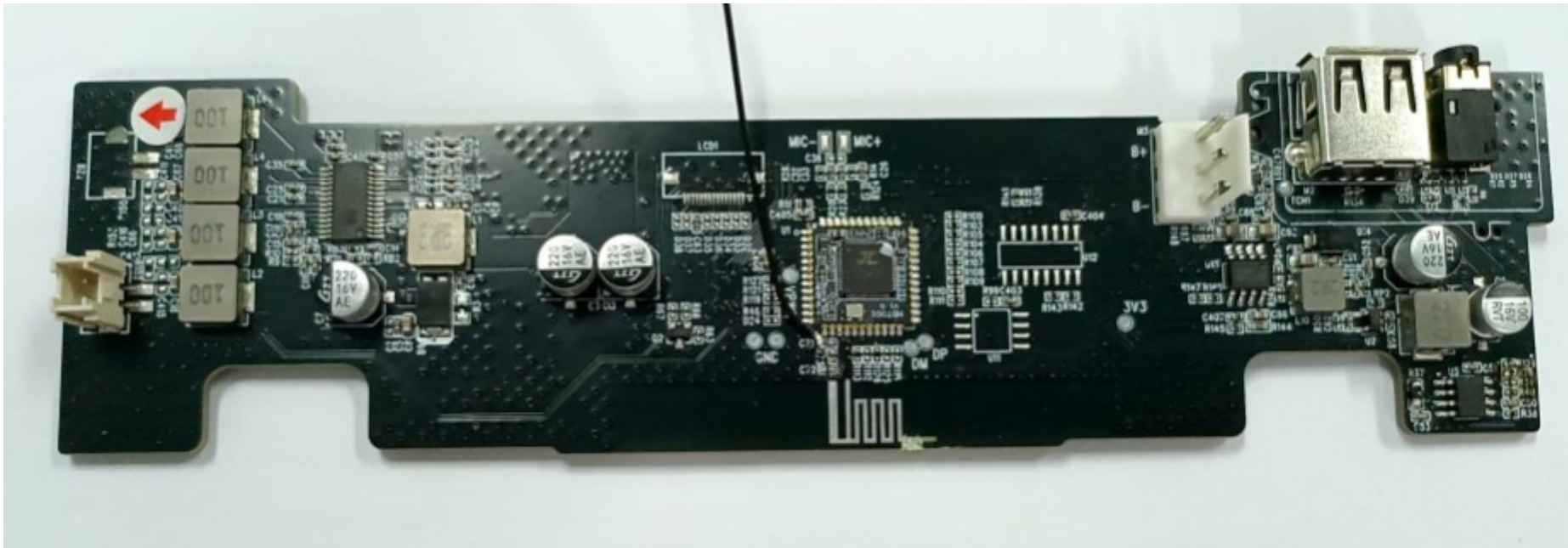
- 1. Measurement of S parameters
- 2. Equipment: Network Analyzer (Agilent E5062A), microwave darkroom, MT8852B
- 3. Items: Impedance, return loss, VSWR, Efficiency, gain, radiation field pattern, Sensitivity, Power, frequency offset active data TRP TIS





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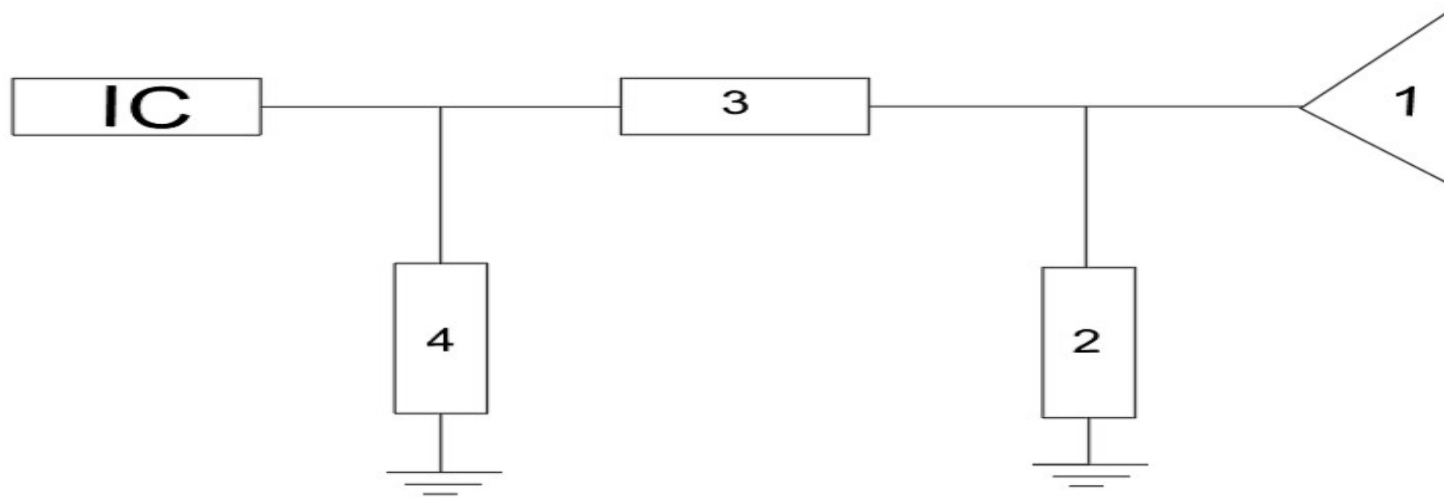
Prototype appearance





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matching parameter



serial number	model	specification	manufacturer	object ID	tolerance	
1	onboard					
2	NC					
3	resistance	0 Ω				
4	NC					



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Network debugging antenna S parameter

Debug waveform





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Free field passive efficiency of the whole machine

Before changing antenna:

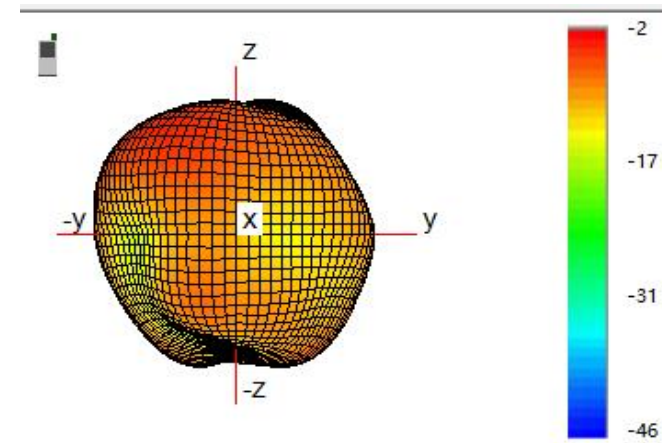
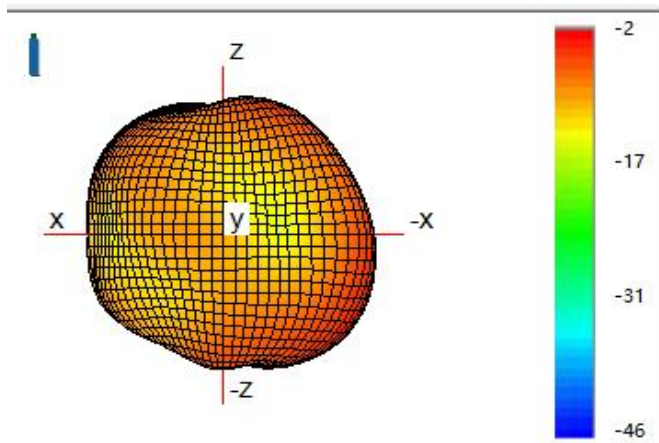
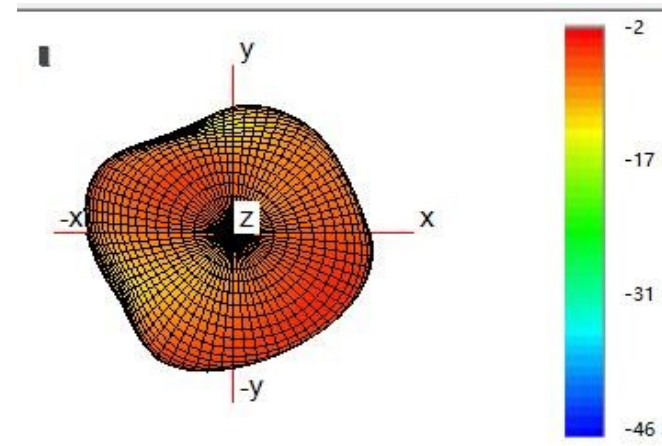
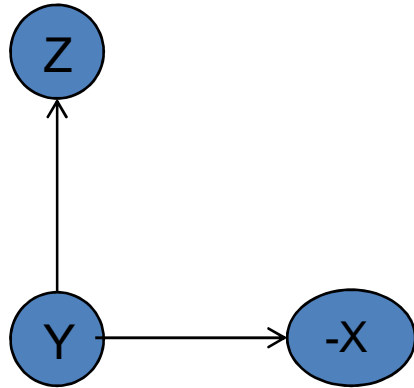
Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-2.720185317	-7.405140249	18.1754836
2410	-3.007557219	-7.647365459	17.1895083
2420	-3.272582225	-7.91986912	16.14407208
2430	-3.440419322	-8.176556778	15.21753545
2440	-3.653575346	-8.334409302	14.67435664
2450	-3.748658694	-8.505174	14.10855709
2460	-4.12769216	-8.886364134	12.92300721
2470	-4.209773841	-9.007775326	12.5667353
2480	-4.198778115	-9.00691927	12.56921263



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Complete free field passive field type

Before changing antenna:

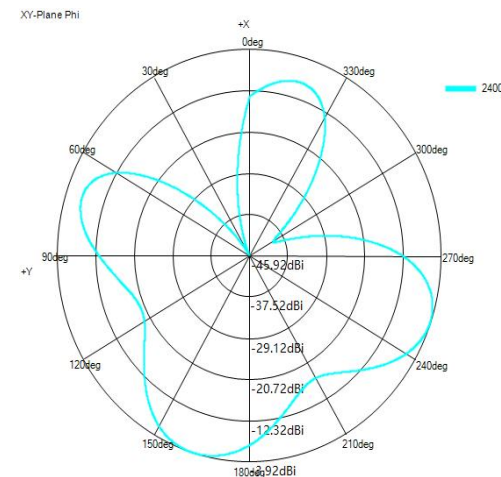
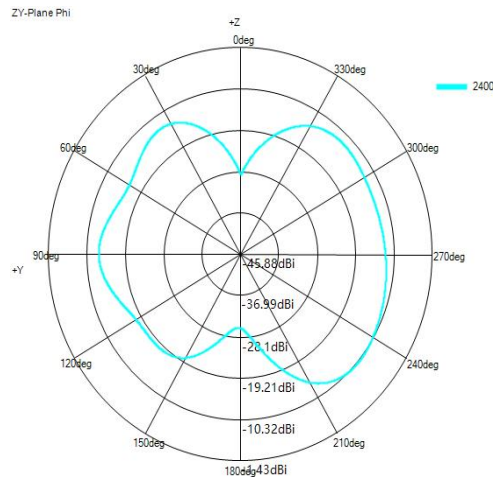
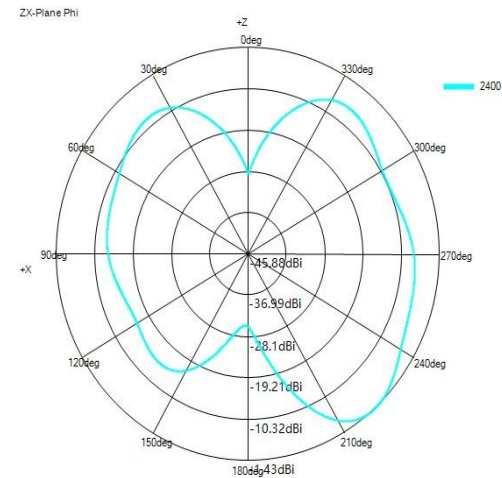
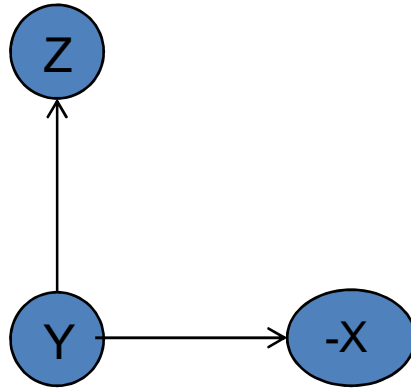




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Free field passive 2D diagram of the whole machine

Before changing antenna:





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Thanks for Your Attention