



Shenzhen Yingfeng antenna technology Co., LTD

C10

Test Report

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product	
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Day period	2024-12-24



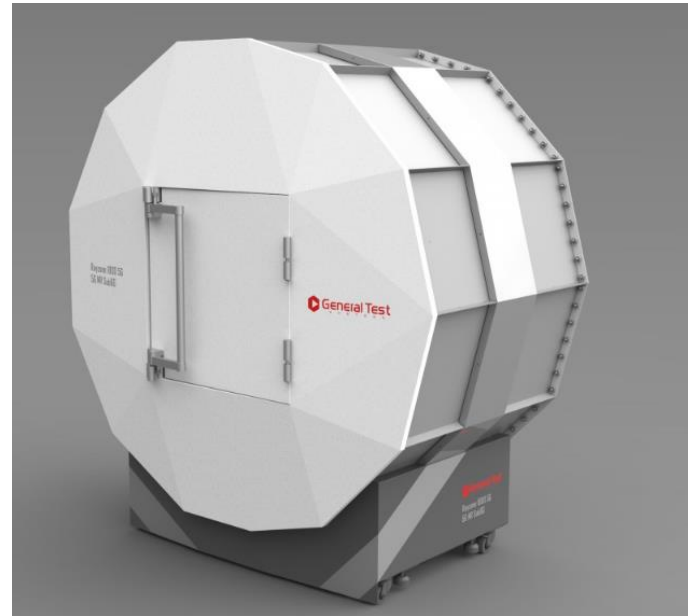
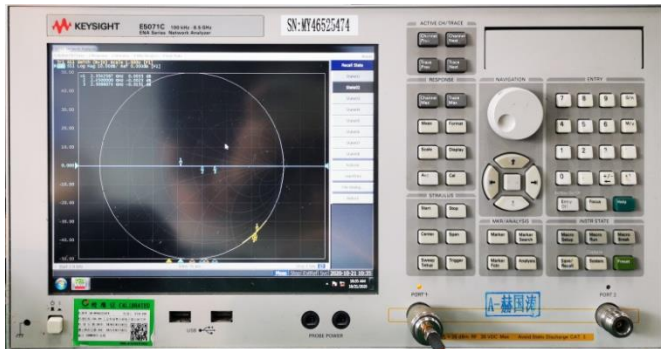
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Test condition

- 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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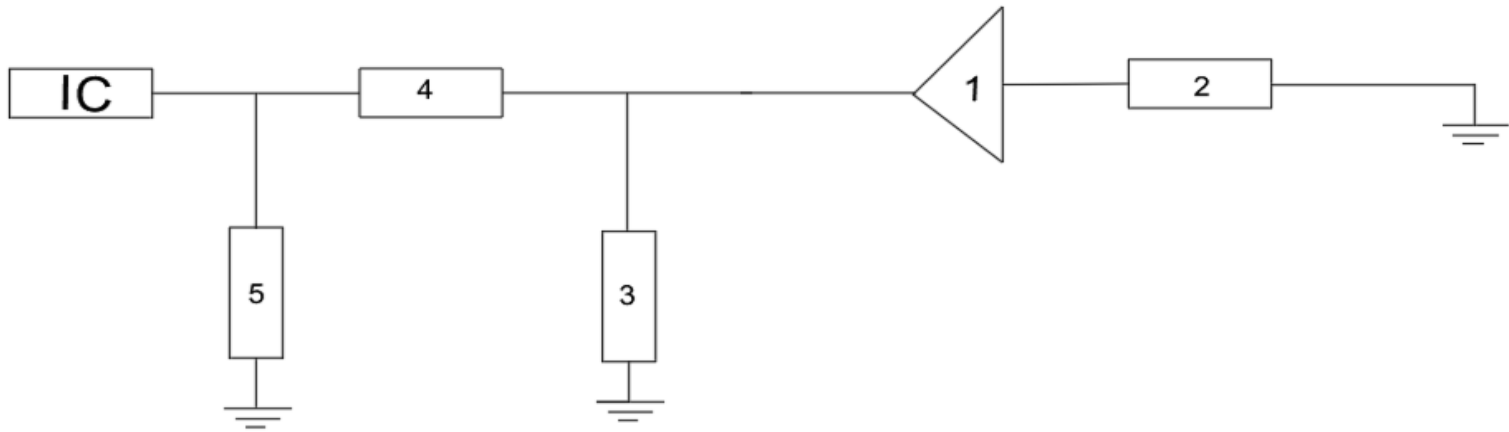
Prototype appearance





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matching parameter



serial number	model	specification	manufacturer	object ID	tolerance	
1	YF3216H2	3216	Yingfeng	YF3216H2X2G45		
2	capacitance	1.2PF/0402	Murata		$\pm 0.1\text{PF}$	
3	capacitance	0.75PF/0402	Murata		$\pm 0.1\text{PF}$	
4	resistance	0 Ω				
5	NC					



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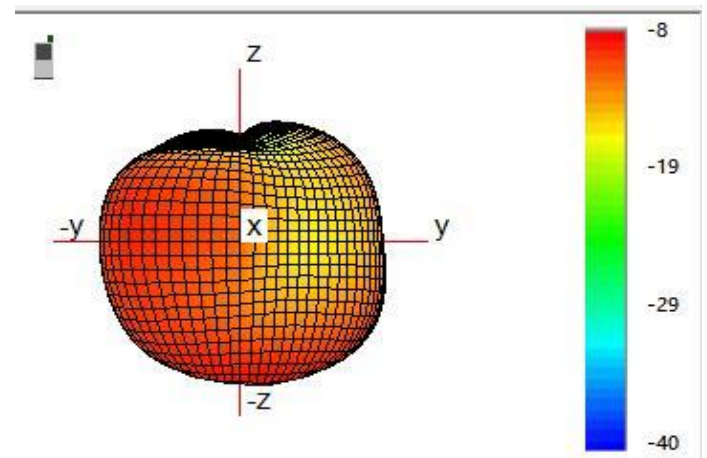
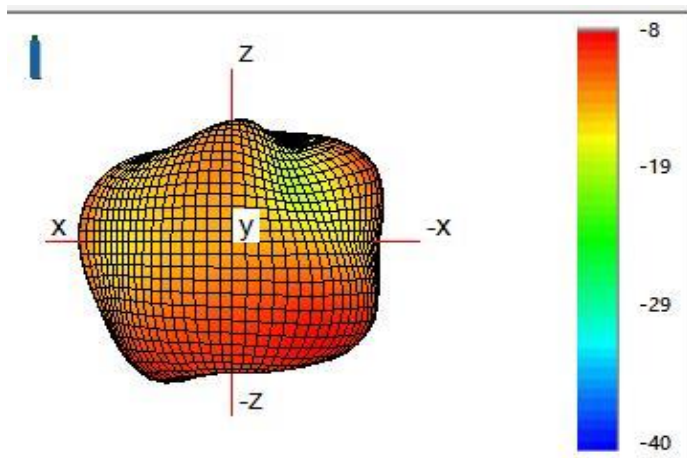
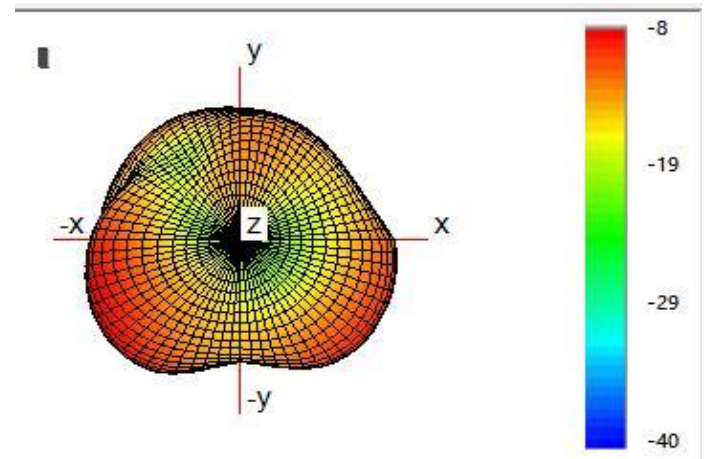
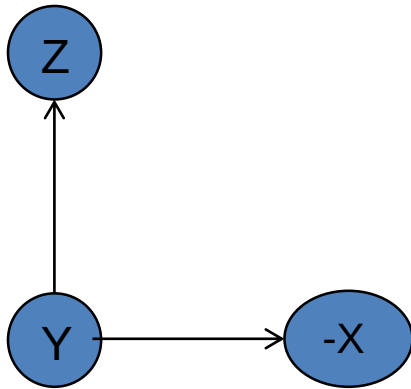
Free field passive efficiency of the whole machine

Frequency	Gain. dBi	Frequency	Efficiency
2400MHz	-0.31	2400MHz	28%
2450MHz	0.0	2450MHz	31%
2500MHz	-0.71	2500MHz	36%



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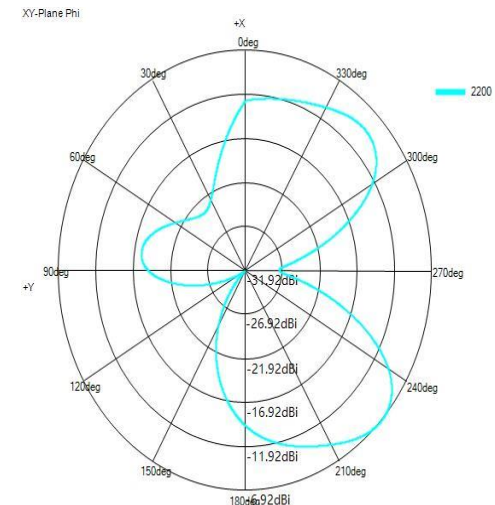
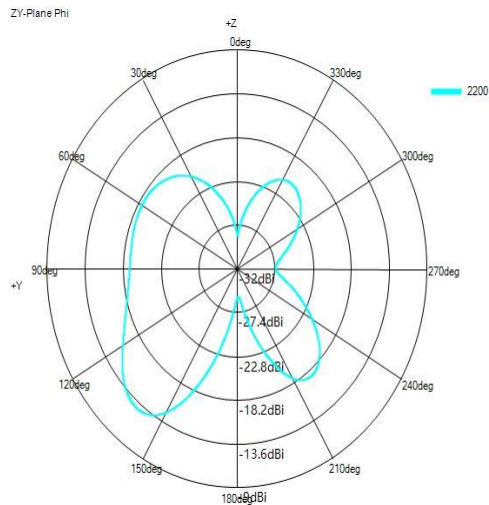
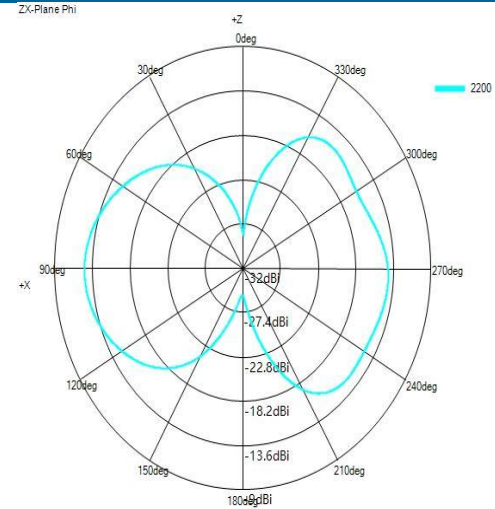
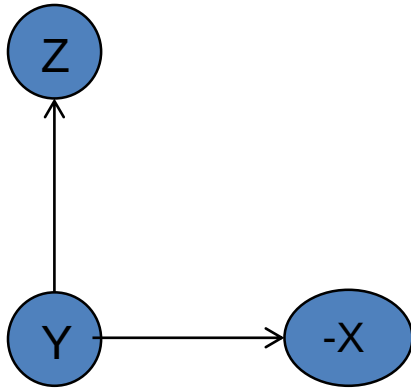
Complete free field passive field type





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Free field passive 2D diagram of the whole machine





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Thanks for Your Attention