



Shenzhen Yingfeng antenna technology Co., LTD

ADD: Building 7, Phase II, Nanshan Yungu Entrepreneurship Park, No.2, Pingshan Road,
Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen

M3 Antenna Specifications

Guesthouse	ooze
product	
engineer	Evin
telephone	15195746167
Mail box	lyg@yingfengtianxian.com
Day period	2025-01-10



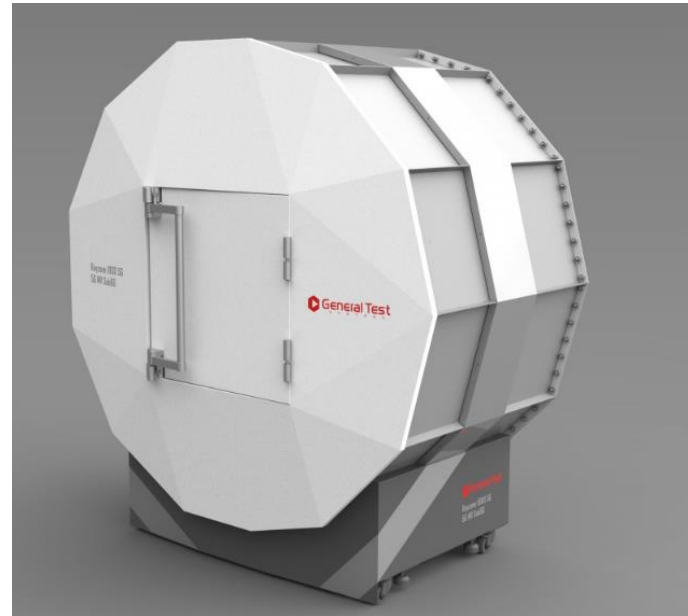
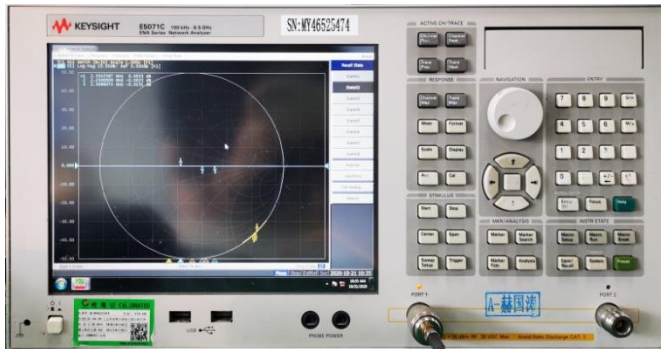
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Test condition

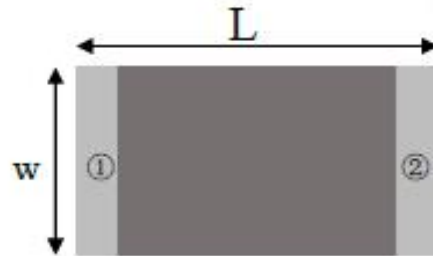
- 1. Measurement of S parameters
- 2. Equipment: Network Analyzer (Agilent E5062A), microwave darkroom, MT8852B
- 3. Items: Impedance, return loss, VSWR, Efficiency, gain, radiation field pattern, Sensitivity, Power, frequency offset active data TRP TIS





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Dimensions (Unit: mm)



(Top View)

Number	Terminal Name
①	INPUT
②	NC



(Bottom View)



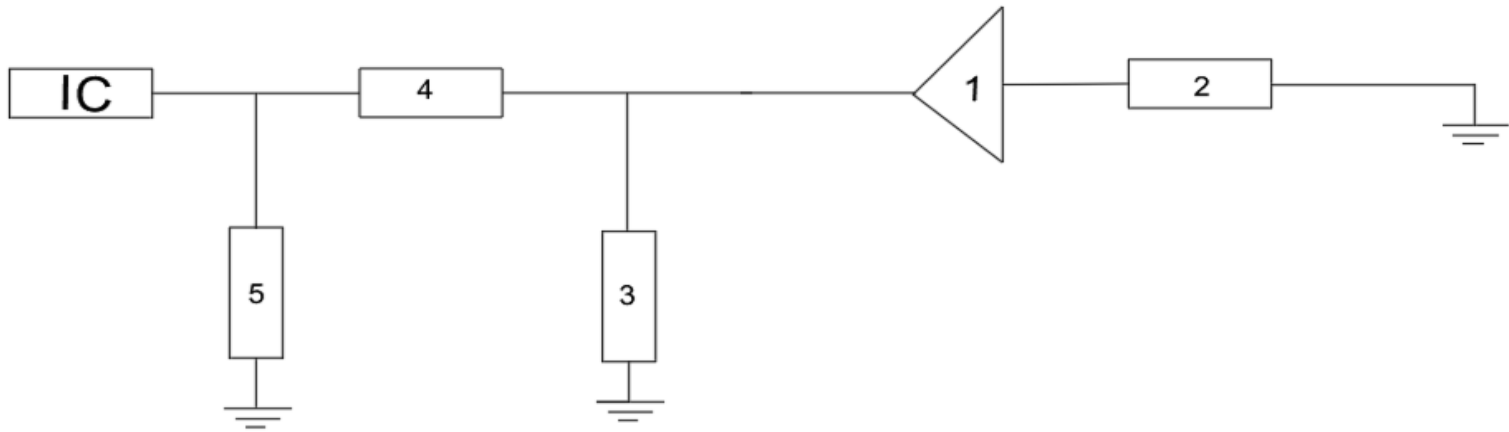
(Side View)

Symbols	L	W	T	A
Dimensions	1.60 ± 0.20	0.80 ± 0.20	0.80 ± 0.20	0.30 ± 0.10



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matching parameter



serial number	model	specification	manufacturer	object ID	tolerance	
1	YF3216H2	3216	Yingfeng	YF3216H2X2G45		
2	capacitance	5.6PF/0201	Murata		$\pm 0.1\text{PF}$	
3	capacitance	1.5PF/0201	Murata		$\pm 0.1\text{PF}$	
4	resistance	0 Ω				
5	NC					



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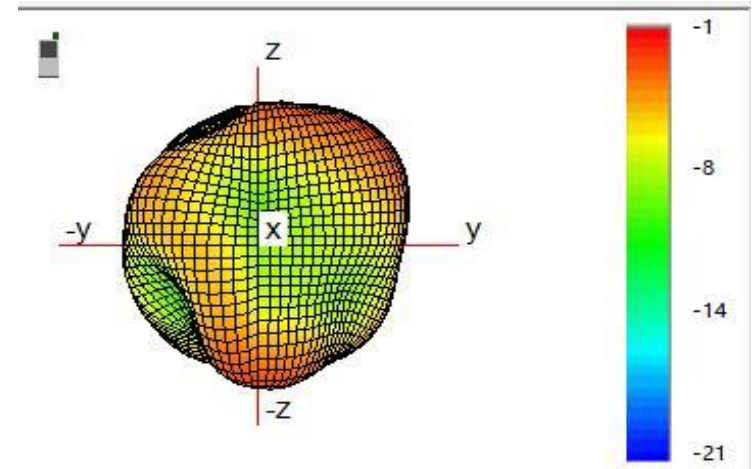
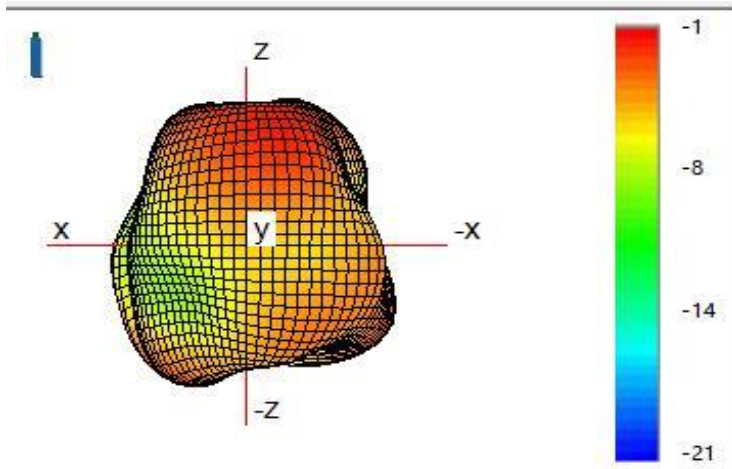
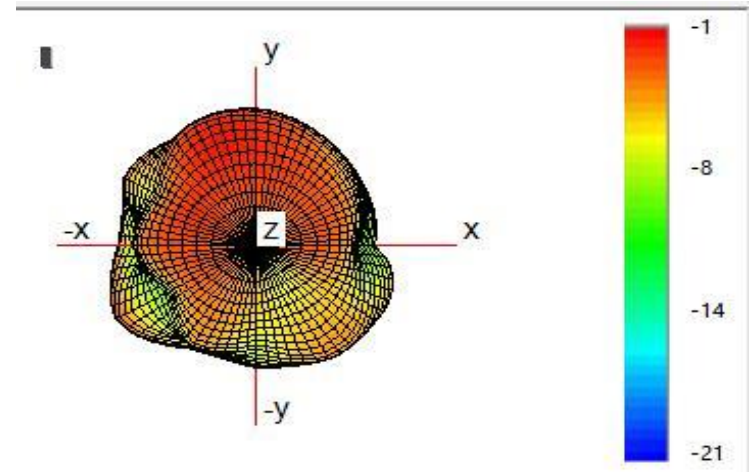
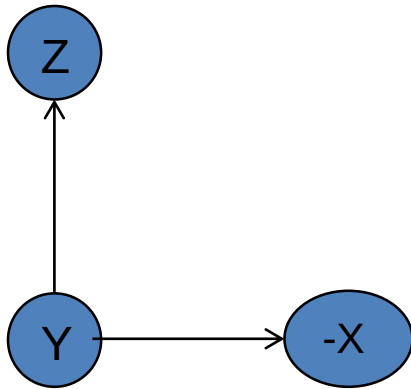
Free field passive efficiency of the whole machine

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-1.002605995	-4.975014835	31.80522824
2410	-0.941054765	-4.914281429	32.25312926
2420	-1.014962203	-4.953803544	31.96094749
2430	-0.910300836	-4.967984581	31.85675547
2440	-0.792004411	-4.863207769	32.63466982
2450	-0.826651956	-4.946087591	32.01778182
2460	-1.087517865	-5.178088276	30.35226969
2470	-1.113147721	-5.151765357	30.53679575
2480	-1.079390398	-5.13090824	30.68380231
2490	-1.229151108	-5.289801121	29.58147928
2500	-1.306268169	-5.409883652	28.77475501



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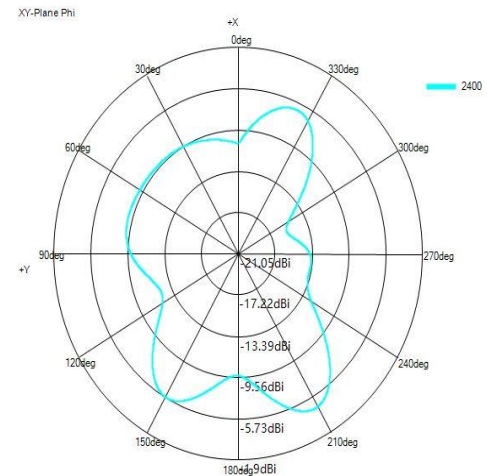
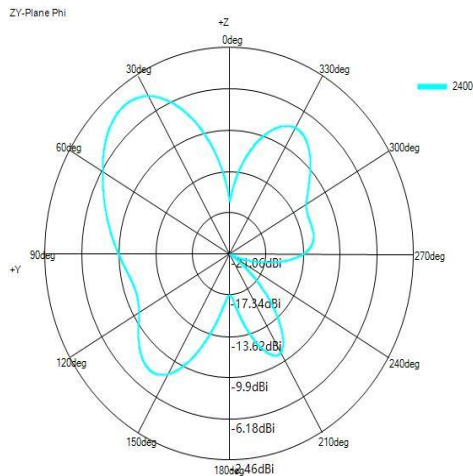
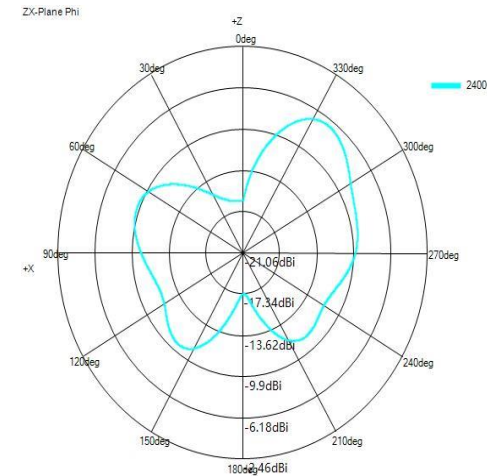
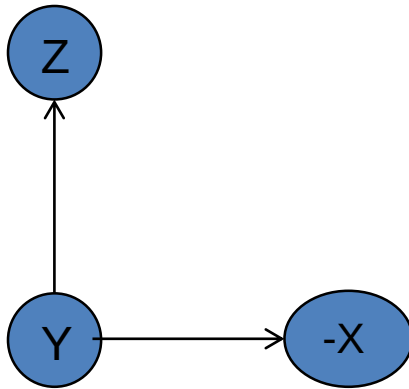
Complete free field passive field type





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Free field passive 2D diagram of the whole machine





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Thanks for Your Attention