



Shenzhen Yingfeng Antenna Technology Co., Ltd.

7012 (Charging port) Test Report

Client	Hailinwei
Product	Charging station
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Date	2026.03.09
Editor	Andy Z



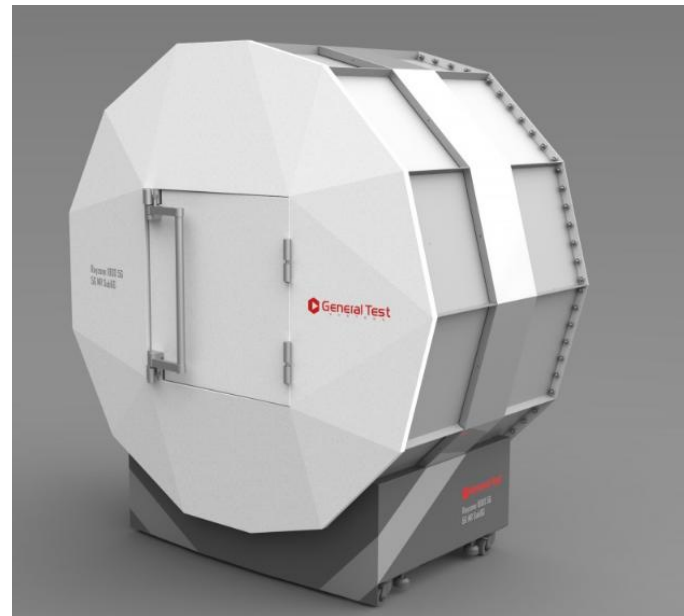
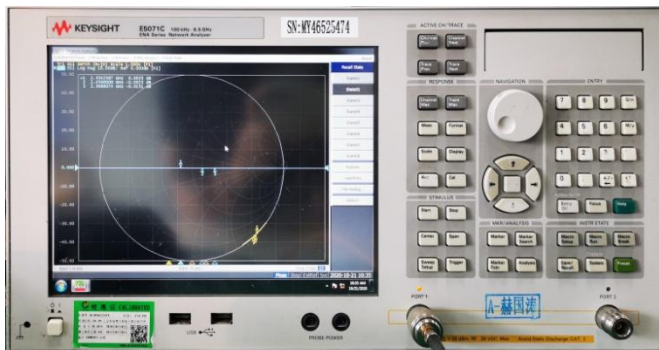
Report Directory

- testing facility
- Prototype appearance
- Match parameters
- passive efficiency of the whole machine in free field
- free field passive field type of the whole machine
- Whole machine OTA free field data
- Whole machine OTA free-field type



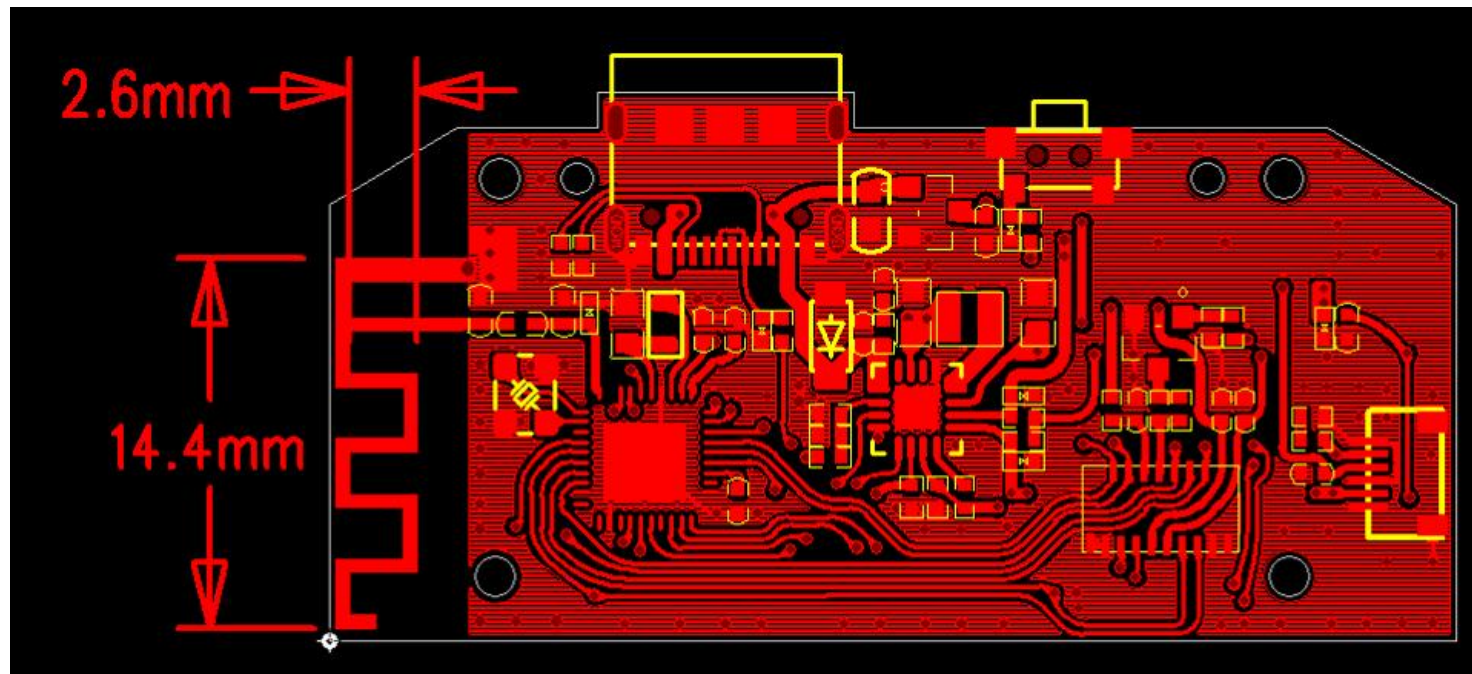
Test Condition

- 1. Measurement of S Parameters
- 2. Equipment: Network analyzer (Agilent E5062A), microwave anechoic chamber, MT8852B
- 3. Items: Impedance, Echo Loss, VSWR, Efficiency, Gain, Radiation Pattern, Sensitivity, Power, Frequency Deviation, Active Data TRP TIS



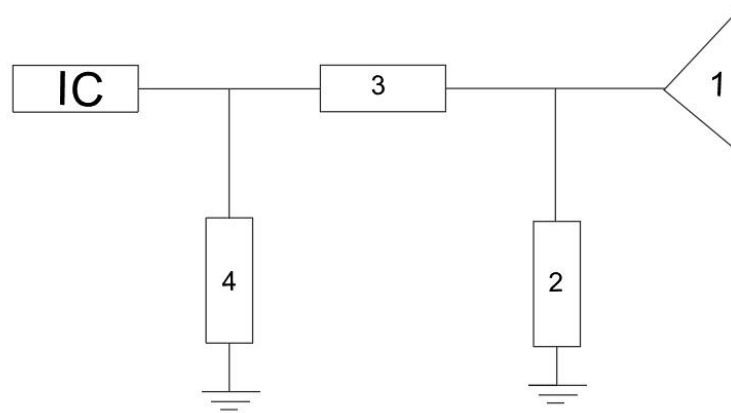


Antenna Size





Match Parameters



Number	Model	Specifications	Manufacturer	P / N	Common difference	
1	Board mounted					
2	Electric capacity	1. 0PF/0201	Microcosm		$\pm 0.1\text{PF}$	
3	Inductance	2. 7NH/0201			$\pm 0.1\text{NH}$	
4	Electric capacity	1. 0PF/0201	Microcosm		$\pm 0.1\text{PF}$	



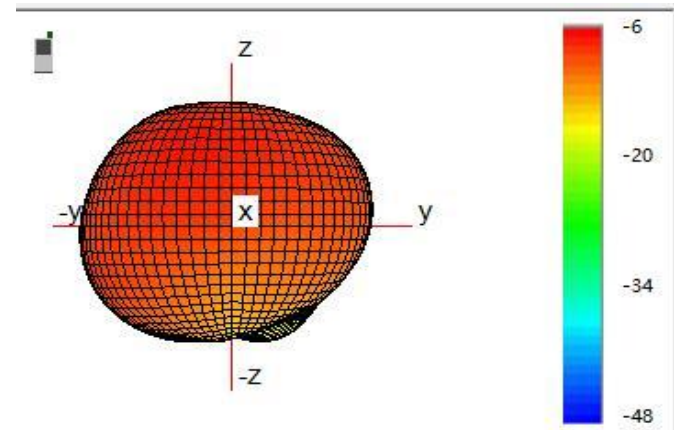
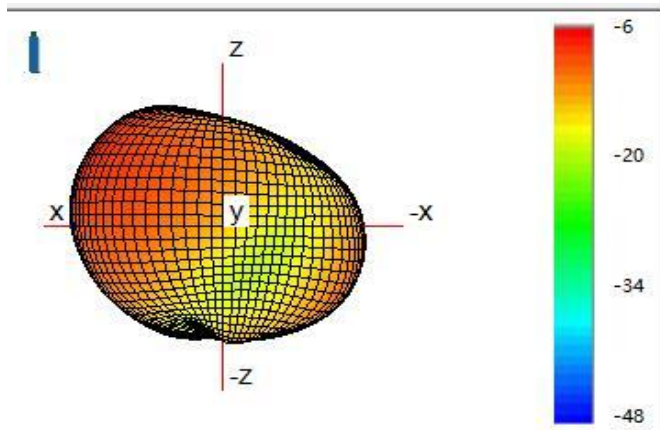
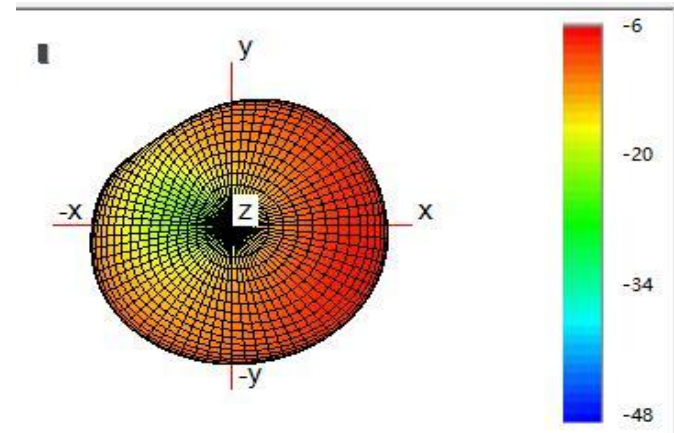
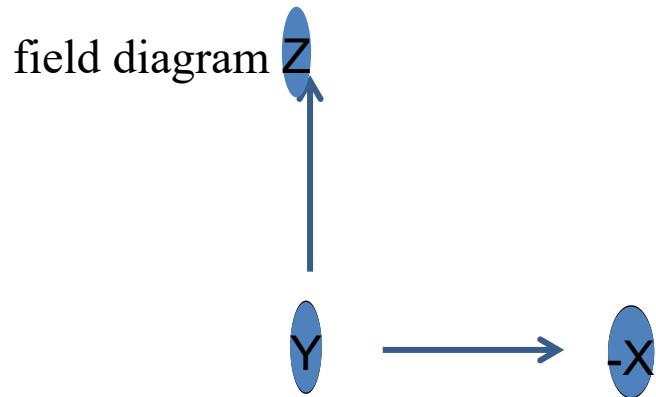
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Passive Efficiency of the Whole Machine in Free Field

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-7.863809241	-11.80154585	6.604583189
2410	-7.596617439	-11.59744535	6.922380458
2420	-7.50465606	-11.48477977	7.104311955
2430	-7.446175937	-11.40965129	7.228278402
2440	-7.080762467	-11.15741894	7.660517452
2450	-6.86025125	-11.06785879	7.820132669
2460	-6.899916721	-11.175605	7.628506132
2470	-6.706153487	-10.9717795	7.995065934
2480	-6.512425921	-10.84129066	8.238932288
2490	-6.636348755	-10.90439603	8.120081672
2500	-6.726378061	-11.01547276	7.915032896



Free Field Passive Field Type of the Whole Machine





Whole Machine OTA Free Field Data

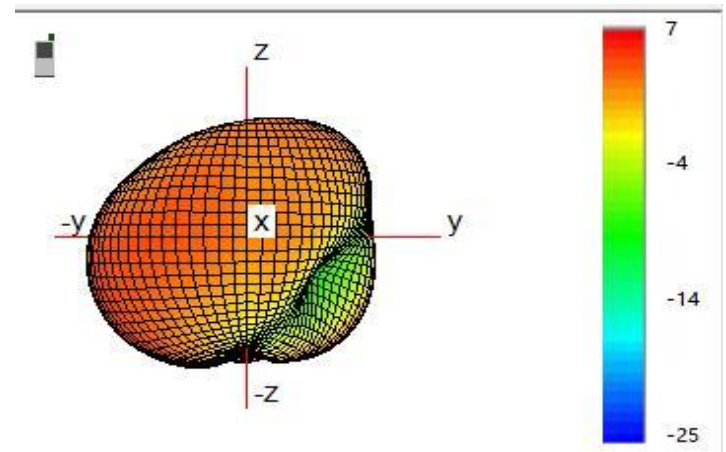
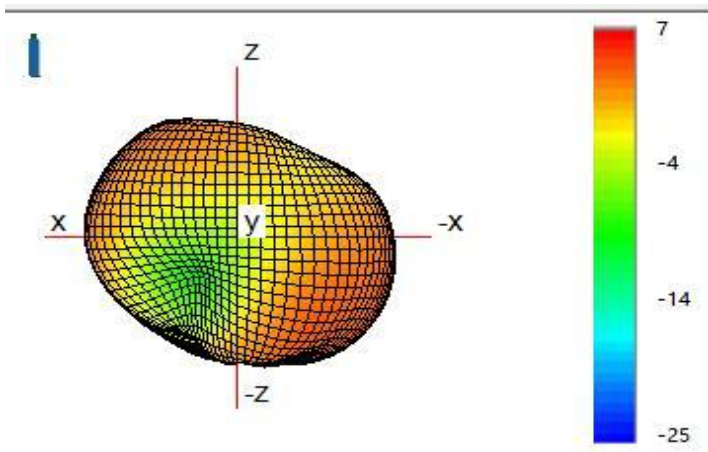
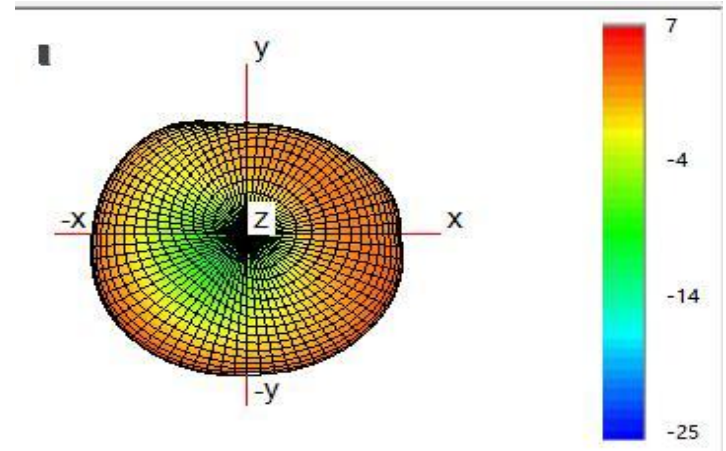
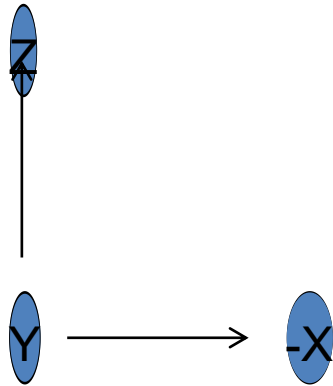
	Channel	TRP power (dBm)	TIS sensitivity (dBm)
Day 2	CH 0	3.751467145	-74.95033163
	CH 39	1.873139394	-76.17388201
	CH 78	0.153445619	-77.43304562

	Channel	TRP power (dBm)	TIS sensitivity (dBm)
Number 3	CH 0	2.875656058	-76.37105955
	CH 39	2.238082232	-76.38933435
	CH 78	0.006263815	-76.69661531



Whole Machine OTA Free-Field Type

field diagram





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Thanks for Your Attention