

Test Report

Client	Qin Sound
Product	
Engineer	XCMG
Telephone	15195746167
Postbox	lyg@yingfengtianxian.com
Date	2025-07-08
Editor	ZXY



Shenzhen Yingfeng Antenna Technology Co.,
Ltd.

Report Directory

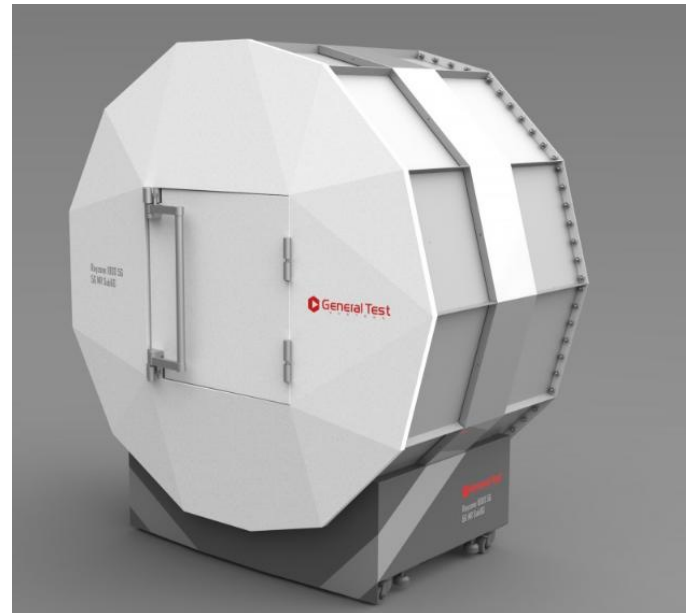
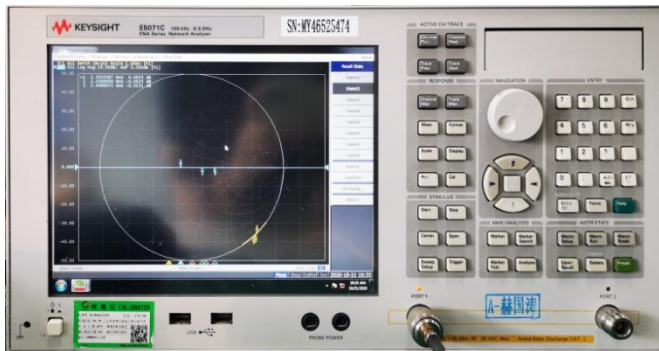
- testing facility
- Prototype appearance
- Match parameters
- S-parameter of network segmentation debugging
- passive data of free field of whole machine
- free field passive field type of the whole machine



Shenzhen Yingfeng Antenna Technology Co., Ltd.

Testing Facility

- 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





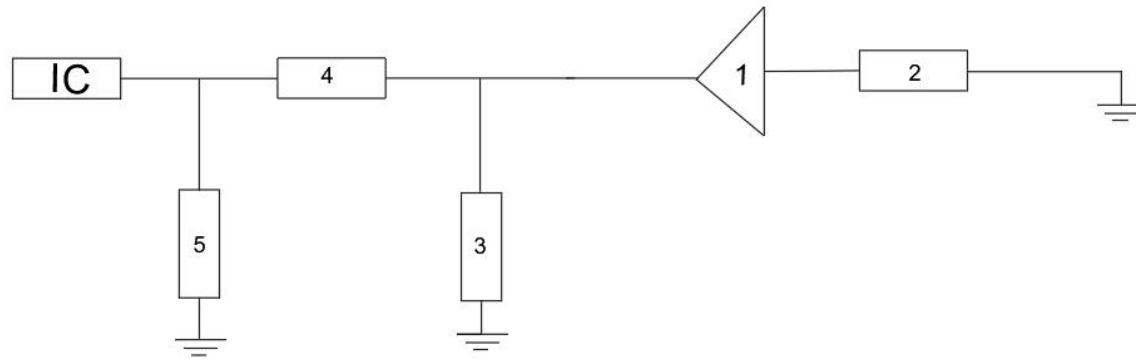
Shenzhen Yingfeng Antenna Technology Co.,
Ltd.

Prototype Appearance





Match Parameters



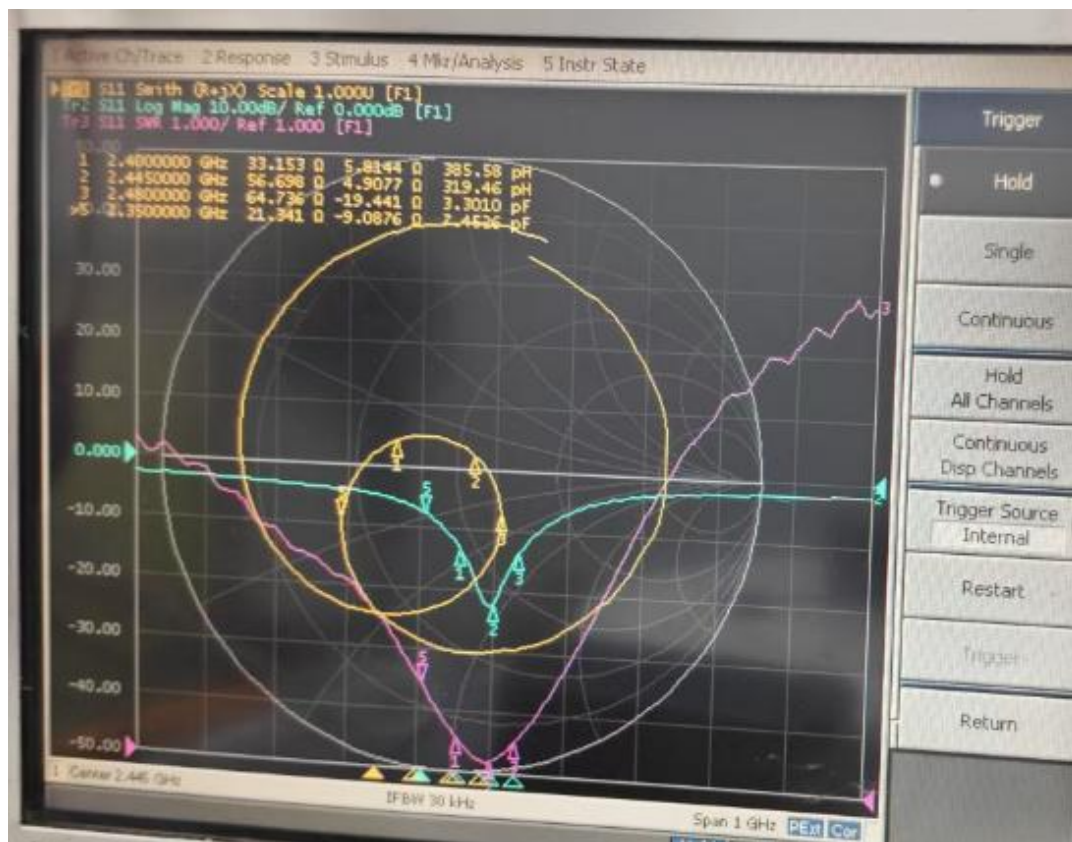
Number	Model	Specifications	Manufacturer	P / N	Common diff- erence	
1	YF3216H2	3216	Yingfeng	YF3216H2X2G45		
2	Electric capacity	1.8PF/0201	Murata		$\pm 0.1\text{PF}$	
3	Electric capacity	1.2PF/0201	Murata		$\pm 0.1\text{PF}$	
4	Electric capacity	9.1PF/0201	Murata		$\pm 0.1\text{PF}$	

--	--	--	--	--	--	--



Shenzhen Yingfeng Antenna Technology Co.,
Ltd.

S-Parameter of Network Debugging Antenna





Shenzhen Yingfeng Antenna Technology Co.,

Ltd.

Passive Data of Free Field of Whole Machine

Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	0.04168052	-5.285676637	29.60958608
2410	0.120012005	-5.066734255	31.14057121
2420	0.200324418	-4.986670141	31.71998592
2430	0.138976052	-4.914093714	32.25452337
2440	0.305290482	-4.720203248	33.72715241
2450	0.239196867	-4.74697511	33.51988261
2460	-0.069522054	-4.973399892	31.81705735
2470	-0.117399735	-4.959990309	31.91544977
2480	-0.285654053	-4.955798499	31.94626943
2490	-0.522722618	-5.146108519	30.57659692
2500	-0.831582045	-5.278097482	29.66130481

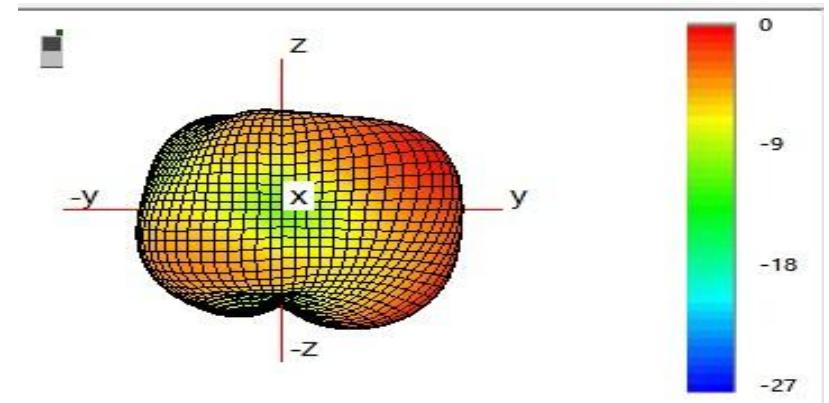
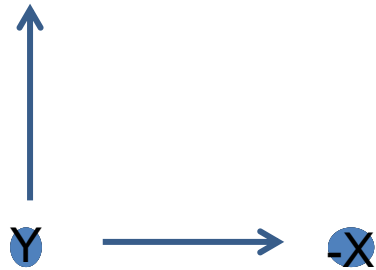


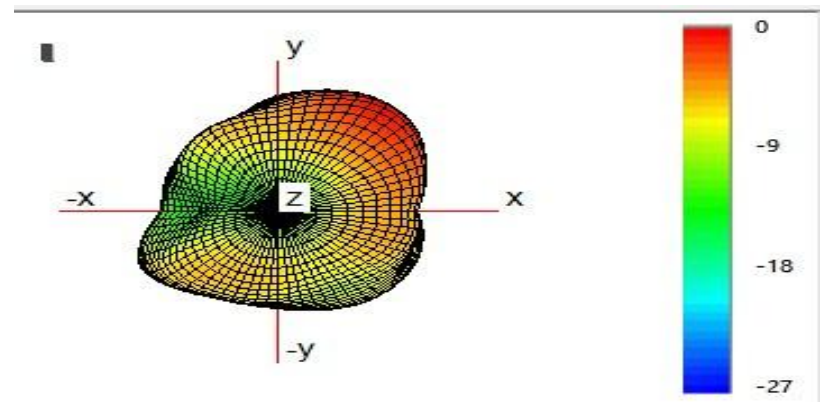
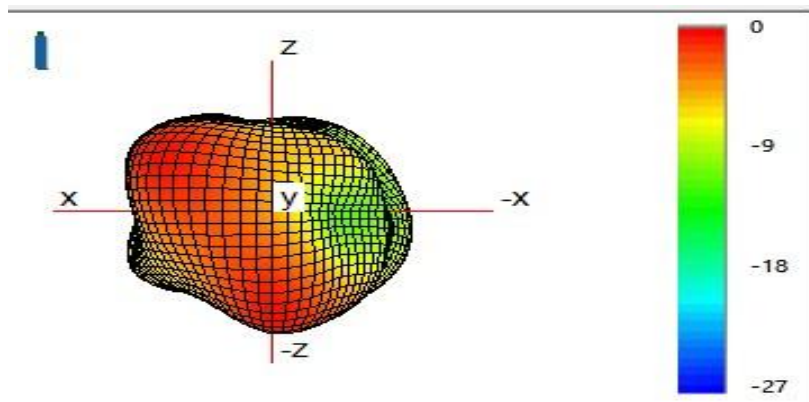
Shenzhen Yingfeng Antenna Technology Co.,

Ltd.

Free Field Passive Field Type of the Whole Machine

field diagram 







Shenzhen Yingfeng Antenna Technology Co.,
Ltd.

Thanks for Your Attention