



深圳市丰禾原电子科技有限公司 SUNITEC ENTERPRISE CO.,LTD.



Lite.Mo 2025.8.15
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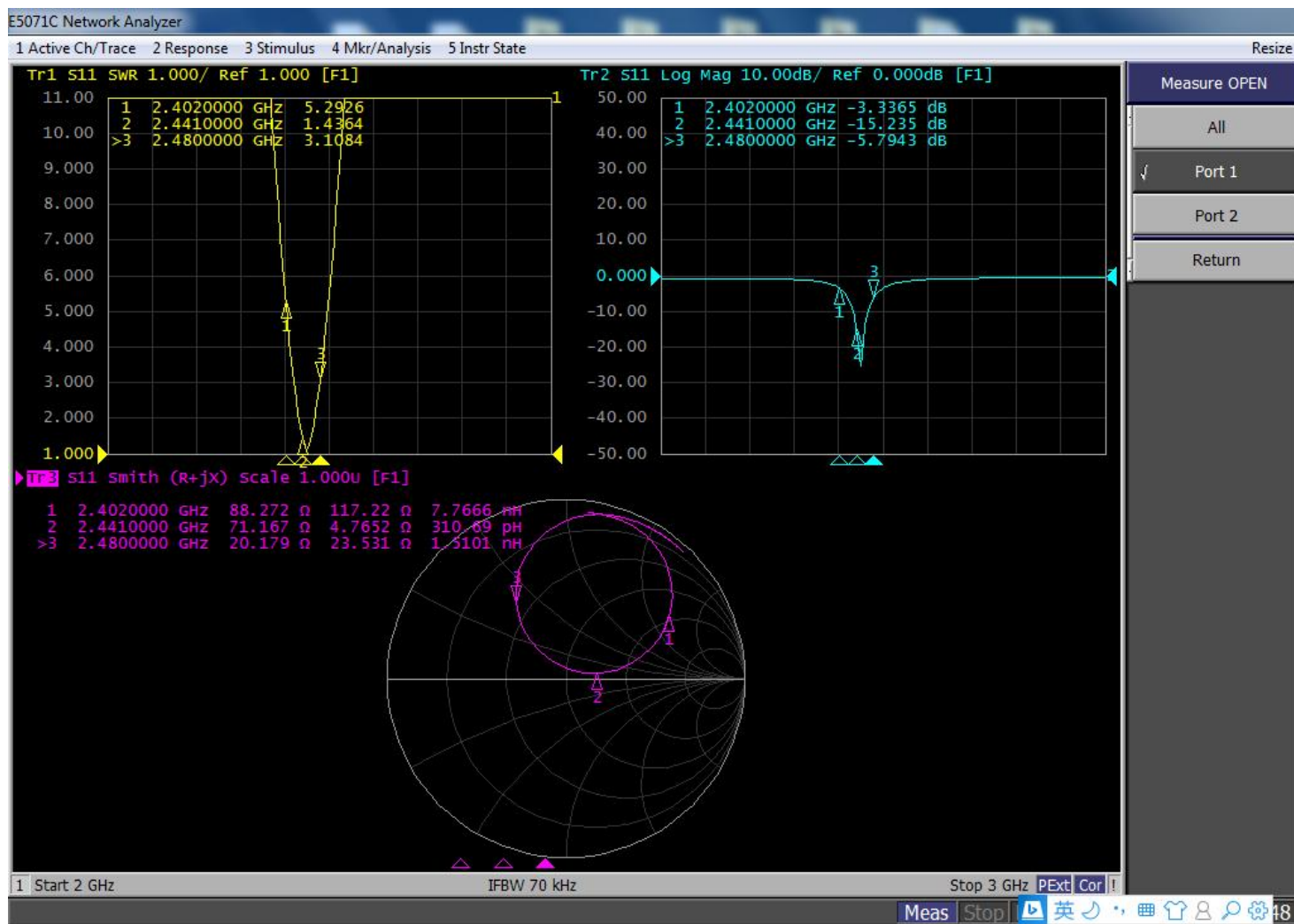


调试样机



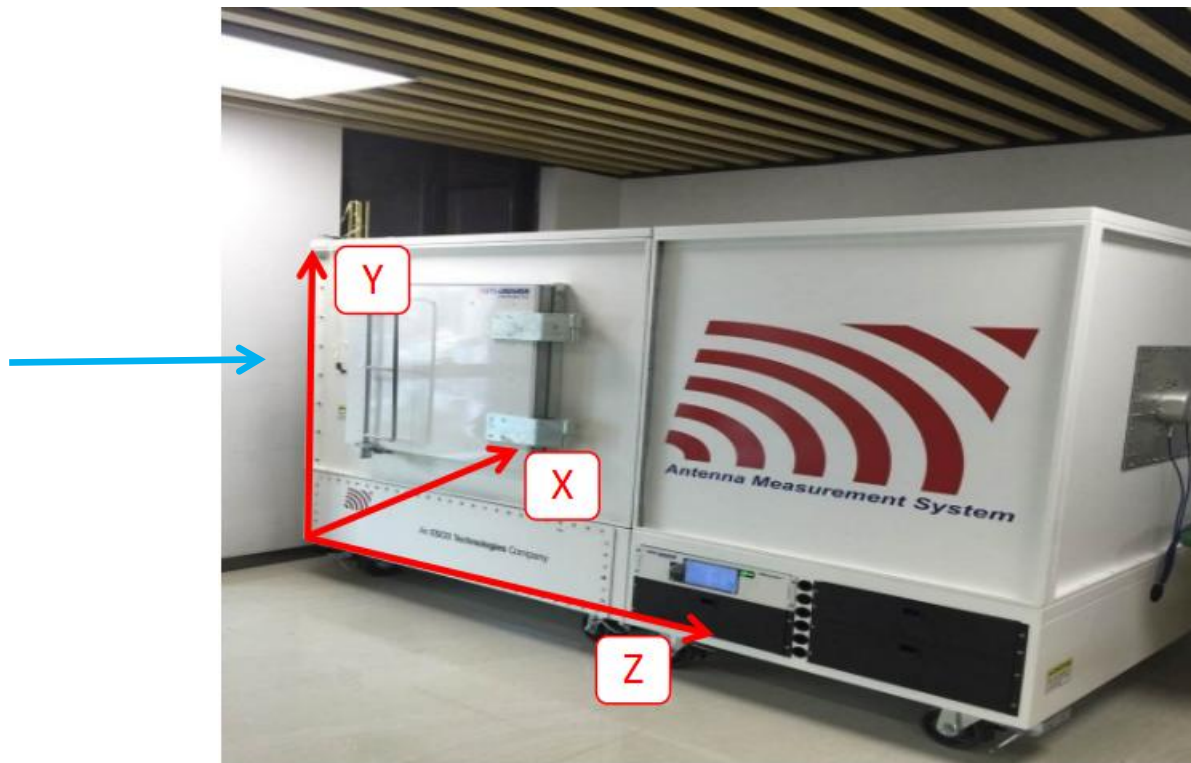
A1571 (CHG) Performance Test Report

VSWR 、 Return loss 、 impedance



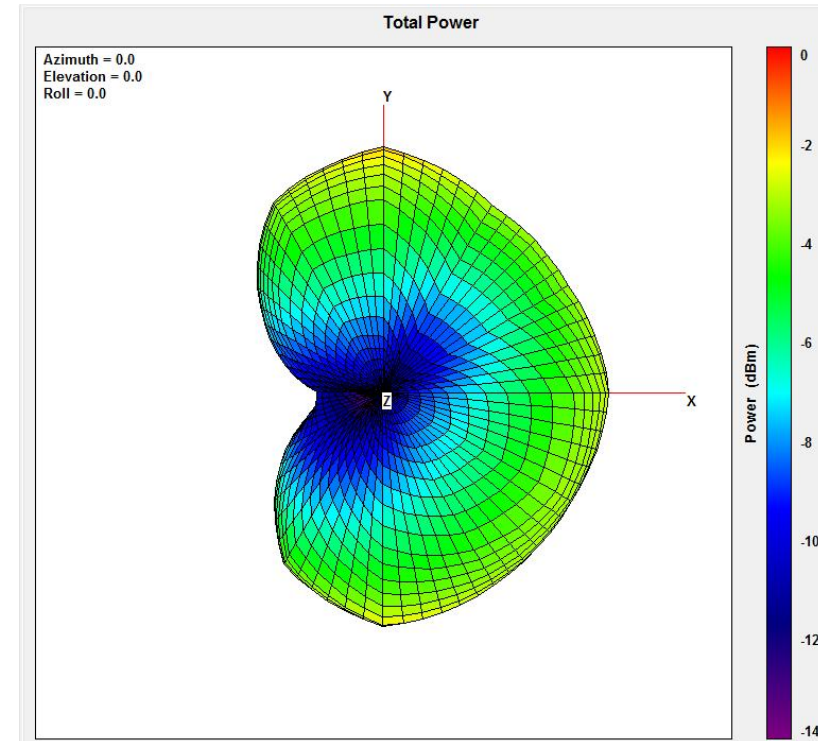
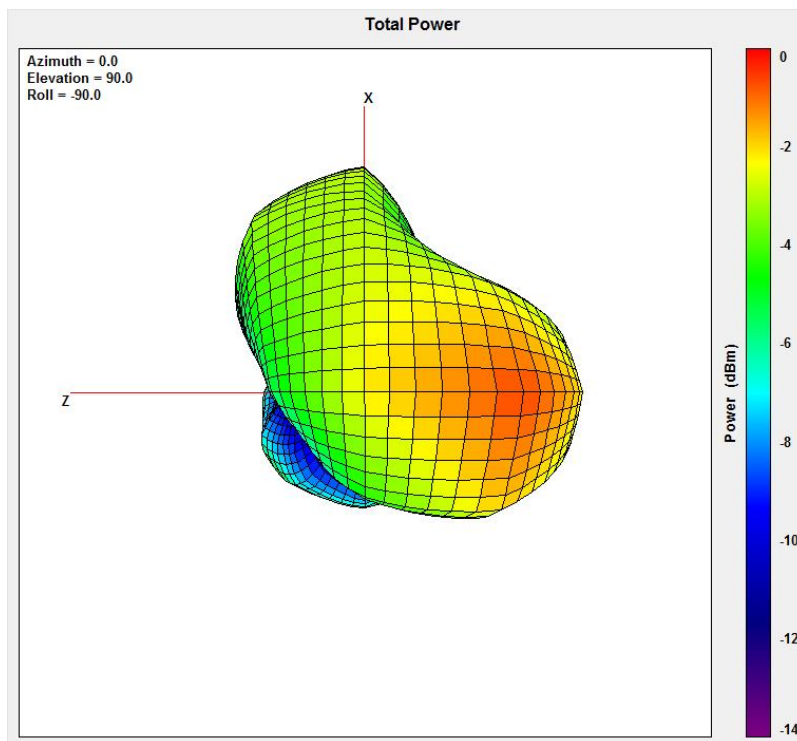
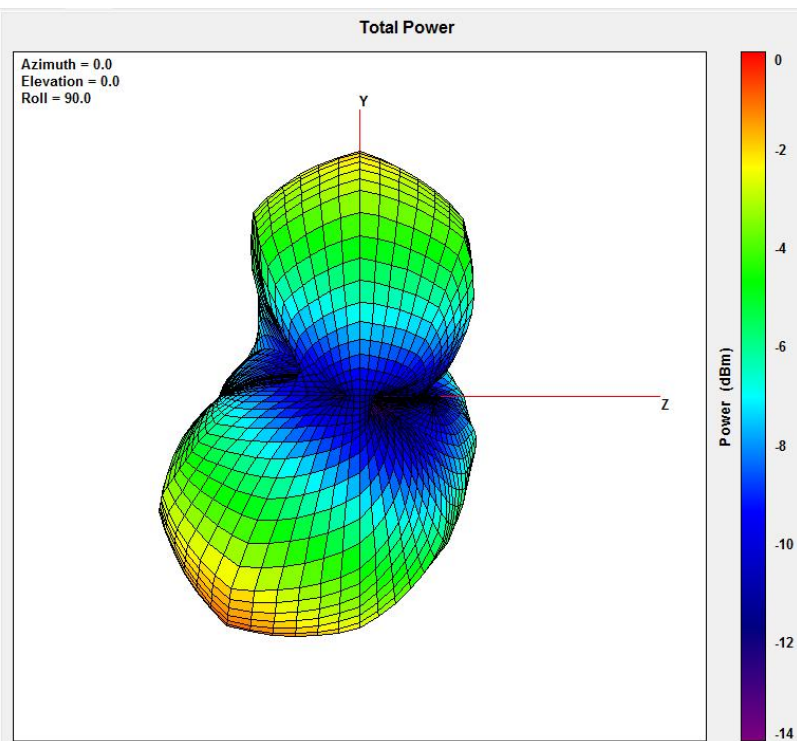


坐标轴说明





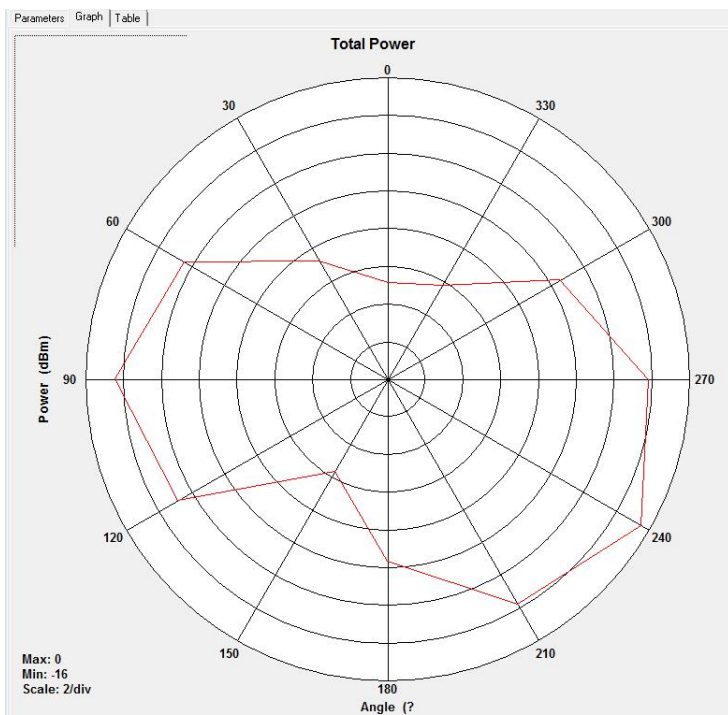
2441MHz ANT 3D Radiation Pattern:



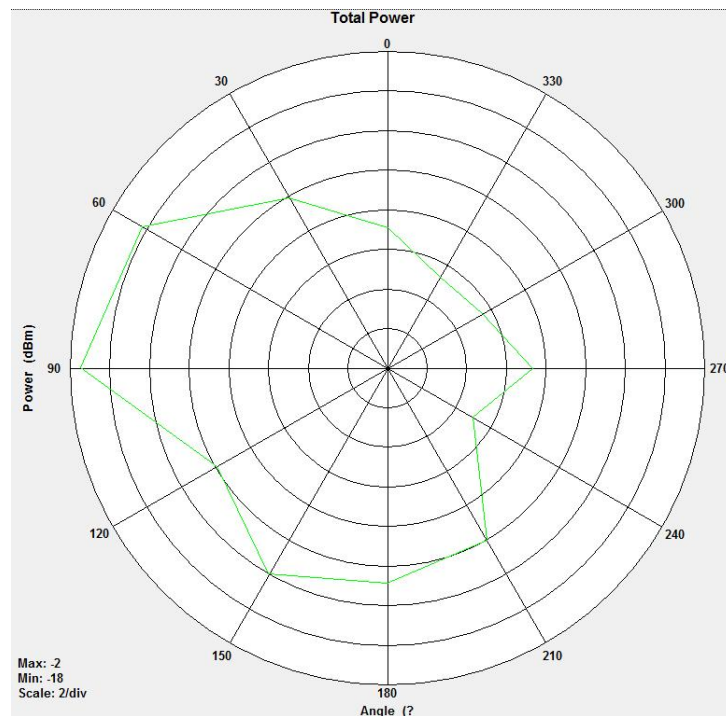


2441MHz ANT 2D Radiation Pattern:

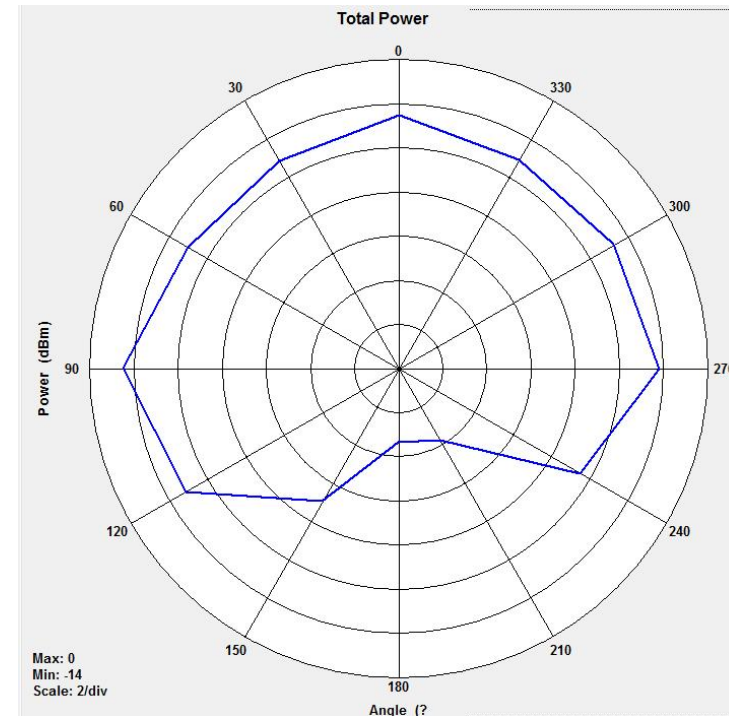
YZ



XZ



XY





无源效率:

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-8.2	15.0	-3.4
2410	-7.3	18.5	-2.3
2420	-6.5	22.5	-1.4
2430	-5.8	26.6	-0.9
2440	-5.2	30.0	-0.5
2450	-5.0	31.6	-0.2
2460	-5.1	30.9	-0.1
2470	-5.6	27.3	-0.6
2480	-6.4	23.1	-1.5
Avg	-6.1	25.1	-1.2

总结:

1. 天线效率均值约**25%**，符合预期；
2. 天线谐振带宽较窄，边带频点天线效率较差些。
3. 天线匹配**R6**焊盘需改为**0201**封装。

Thanks