

Antenna Test Report

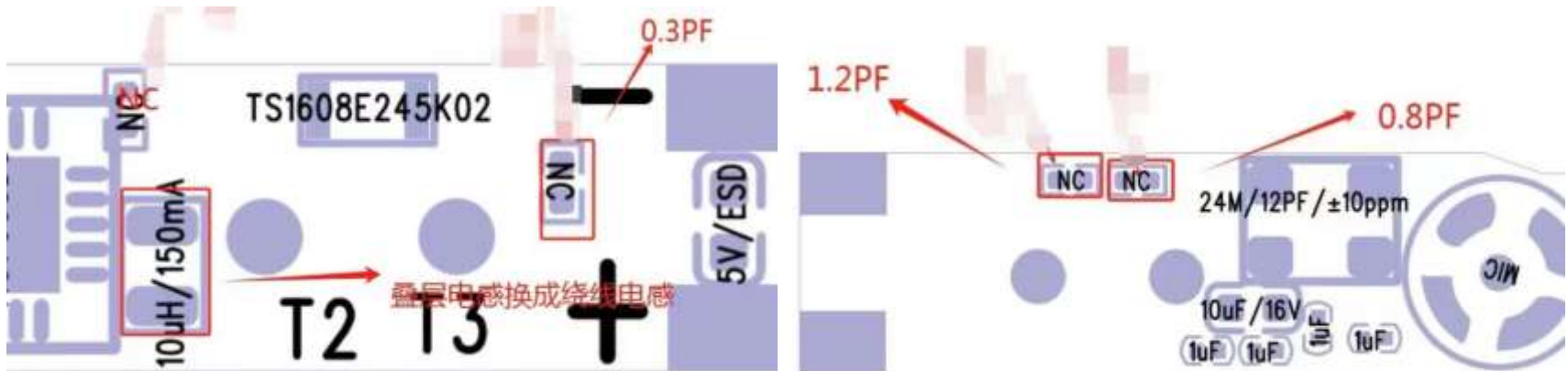
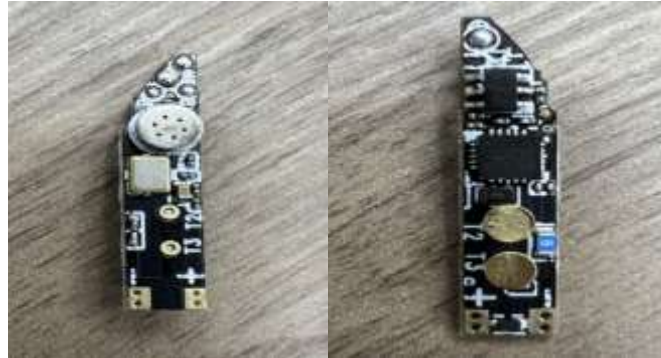
M5 Pro V1.0

Customer	光速电子
Agent	钜恒电子
Project name	M5 PRO
Model. IC	杰理
Model. ANT	TS1608E245K02

2024/3/16

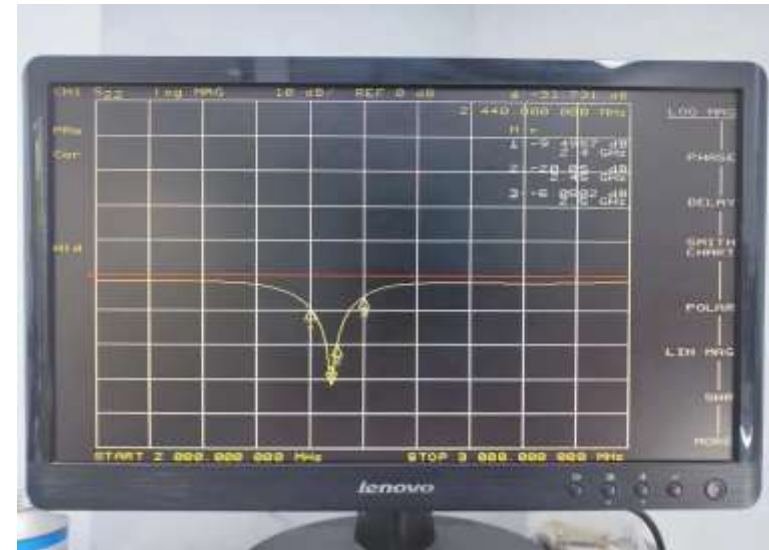
Ant. Matching

- Antenna Placement & Matching Circuit



备注：绕线电感为风华FHY0603YF100KST (0603 10uH)

Ant. S11 Parameter

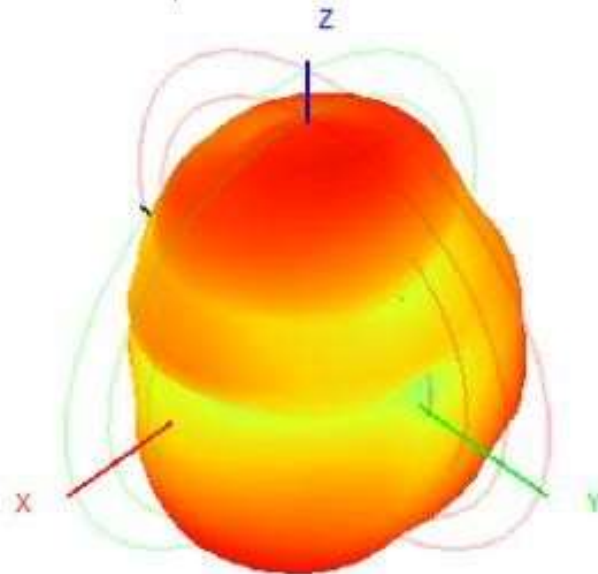


Fre.(MHz)	2400	2450	2500
S11(dB)	-9.45	-20.05	-6.05

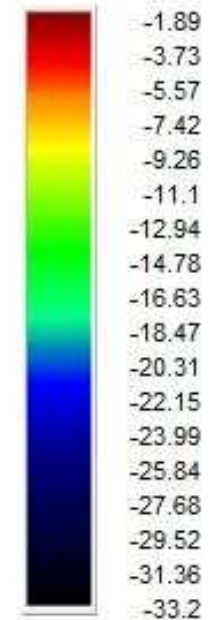
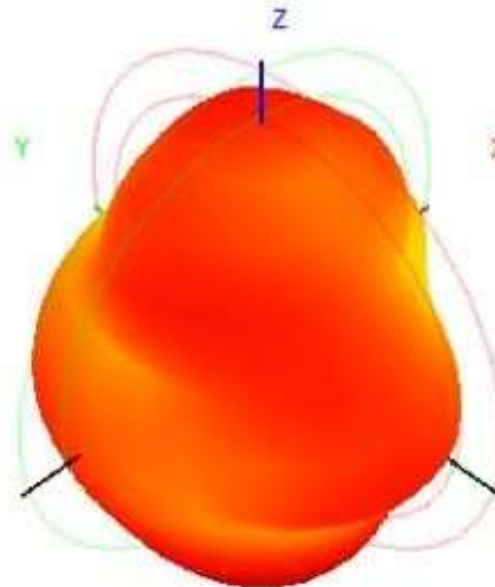
Ant. Gain Pattern@2.45GHz(无源)

- Free Space

2450.0MHz H+V, Eff: 14.0%



Back View



Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-9.62	-9.29	-8.99	-8.74	-8.60	-8.54	-8.63	-8.82	-9.07	-9.42	-9.84
Gain (dBi)	-3.59	-3.13	-2.66	-2.22	-1.96	-1.89	-2.07	-2.39	-2.73	-3.10	-3.45
Efficiency (%)	10.91	11.78	12.61	13.37	13.82	13.98	13.70	13.12	12.39	11.42	10.37

Real test

- Test environment: Empty parking lot
- Test phone: Apple 13
- Test distance: outdoor test ear distance 15m (music distance)

