



晟天科技



Sunsky Technology Co., Ltd

Test Report

Customer	Kaifu	Frequency	2.4G WIFI
RF	Linguofu	ME	Huanghao
Date	2021.10.12	Components	FPC,RF cable

Test Equipments

NWA,E5071C

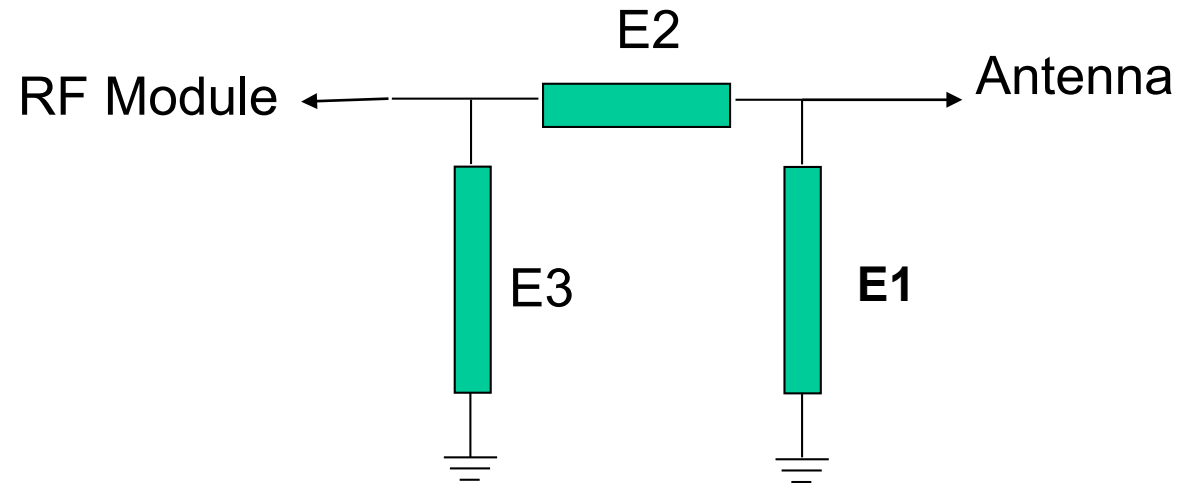


Microwave anechoic chamber



Matching Circuits

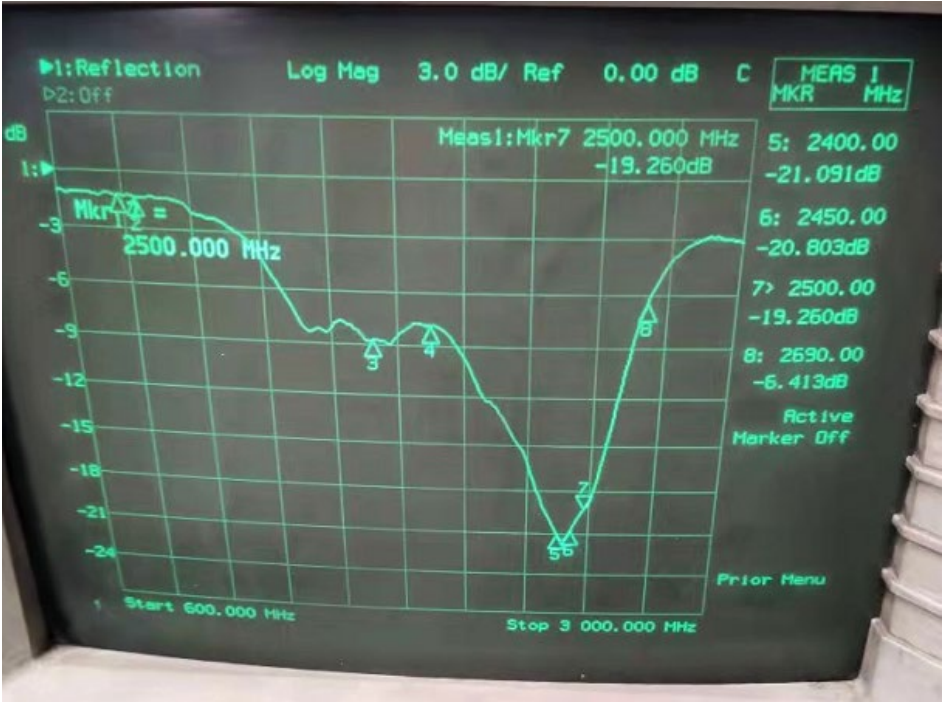
Element	E1(0402)	E2(0402)	E3(0402)
Value	NONE	0欧姆	NONE



Prototype

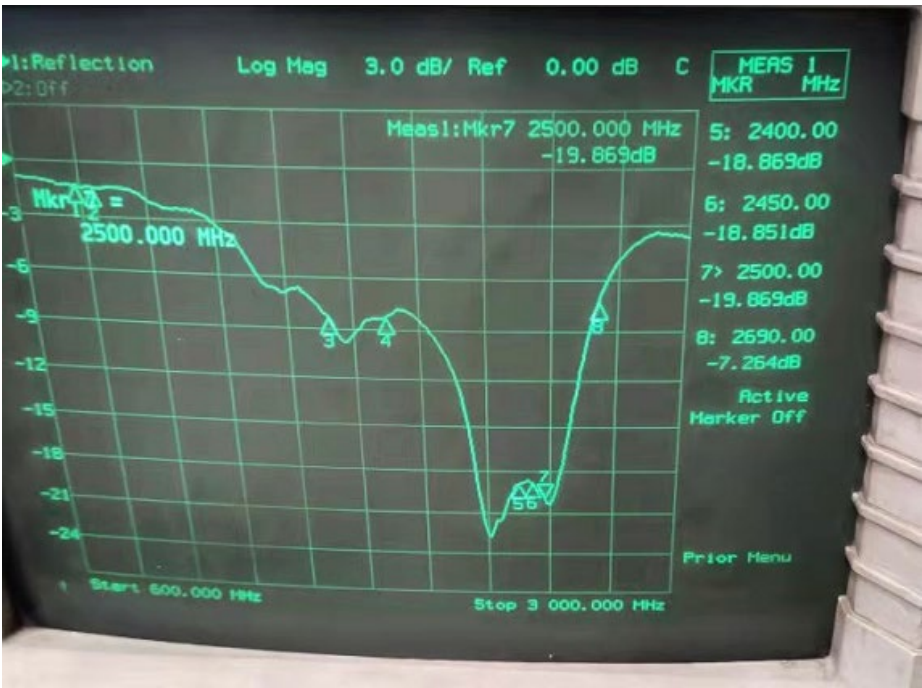


S11 and Efficiency



Freq (MHz)	Effi (%)	Gain (dBi)
2400	56.42	2.49
2410	56.71	2.46
2420	58.44	2.5
2430	52.65	1.96
2440	55.8	2.13
2450	54.88	1.9
2460	58.83	2.31
2470	53.06	1.84
2480	54.72	1.96
2490	54.65	1.88
2500	58.14	2.12

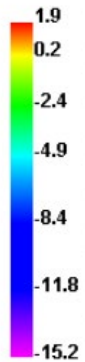
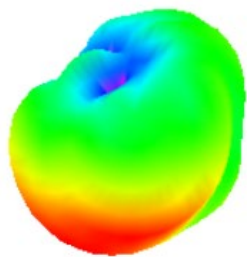
S11 and Efficiency



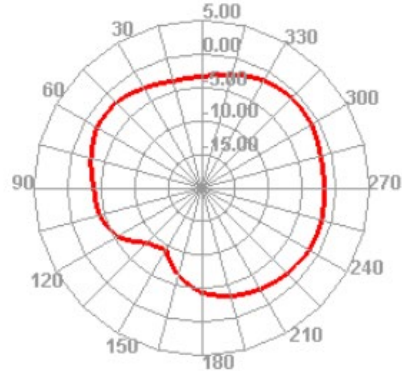
Freq (MHz)	Effi (%)	Gain (dBi)
2400	56.43	2.81
2410	56.77	2.74
2420	57.82	2.7
2430	52.62	2.13
2440	55.38	2.19
2450	55.46	2.21
2460	58.65	2.49
2470	53.86	2.08
2480	54.94	2.05
2490	56.26	2.03
2500	58.92	2.16

2D/3D test results

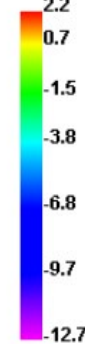
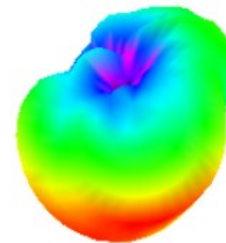
2450.000MHz



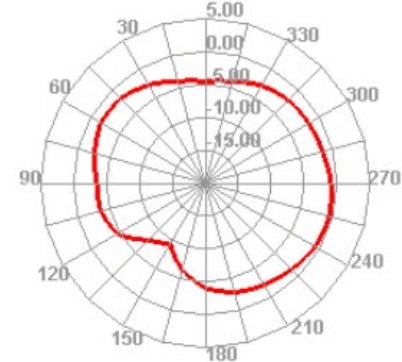
2450.000MHz H



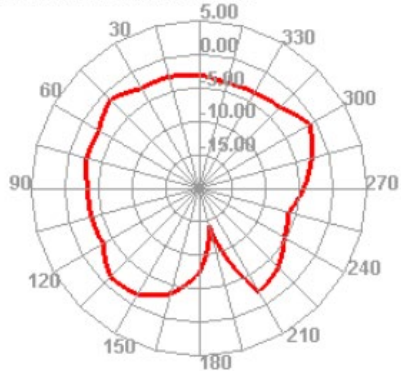
2450.000MHz



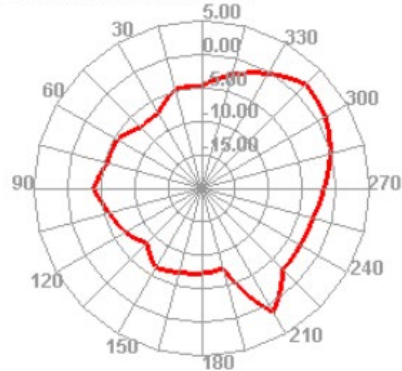
2450.000MHz H



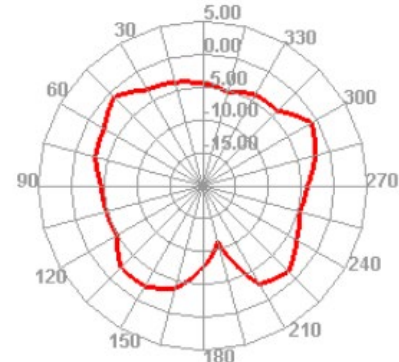
2450.000MHz E1



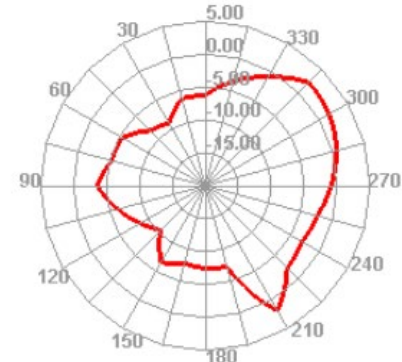
2450.000MHz E2



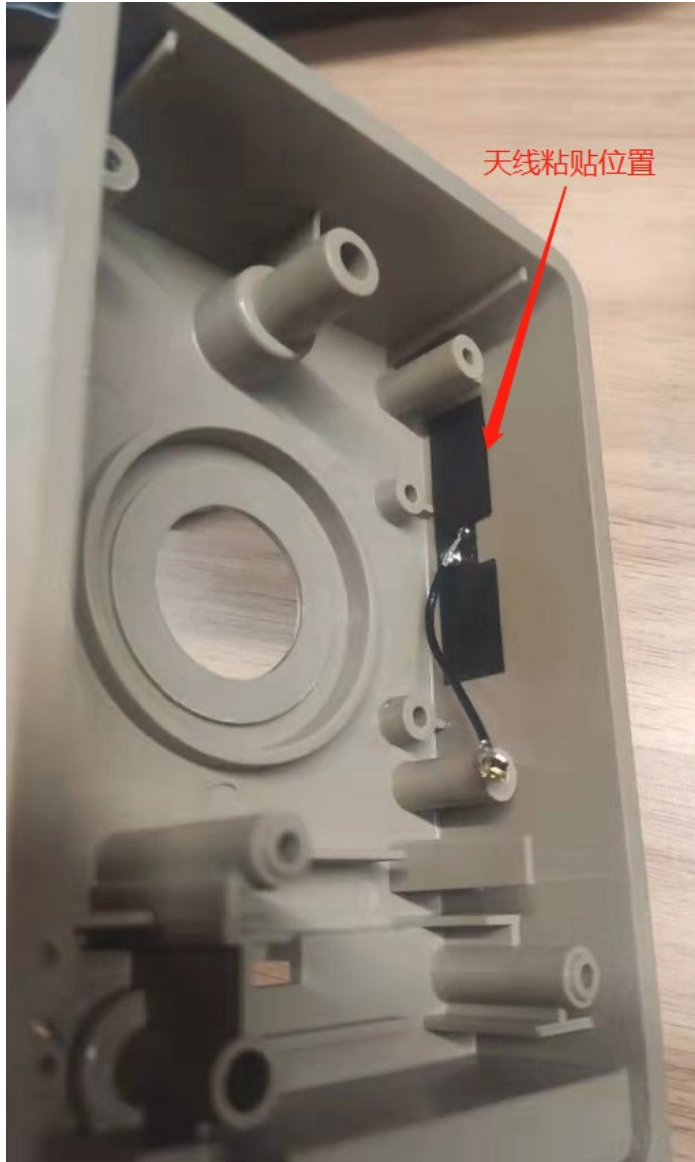
2450.000MHz E1



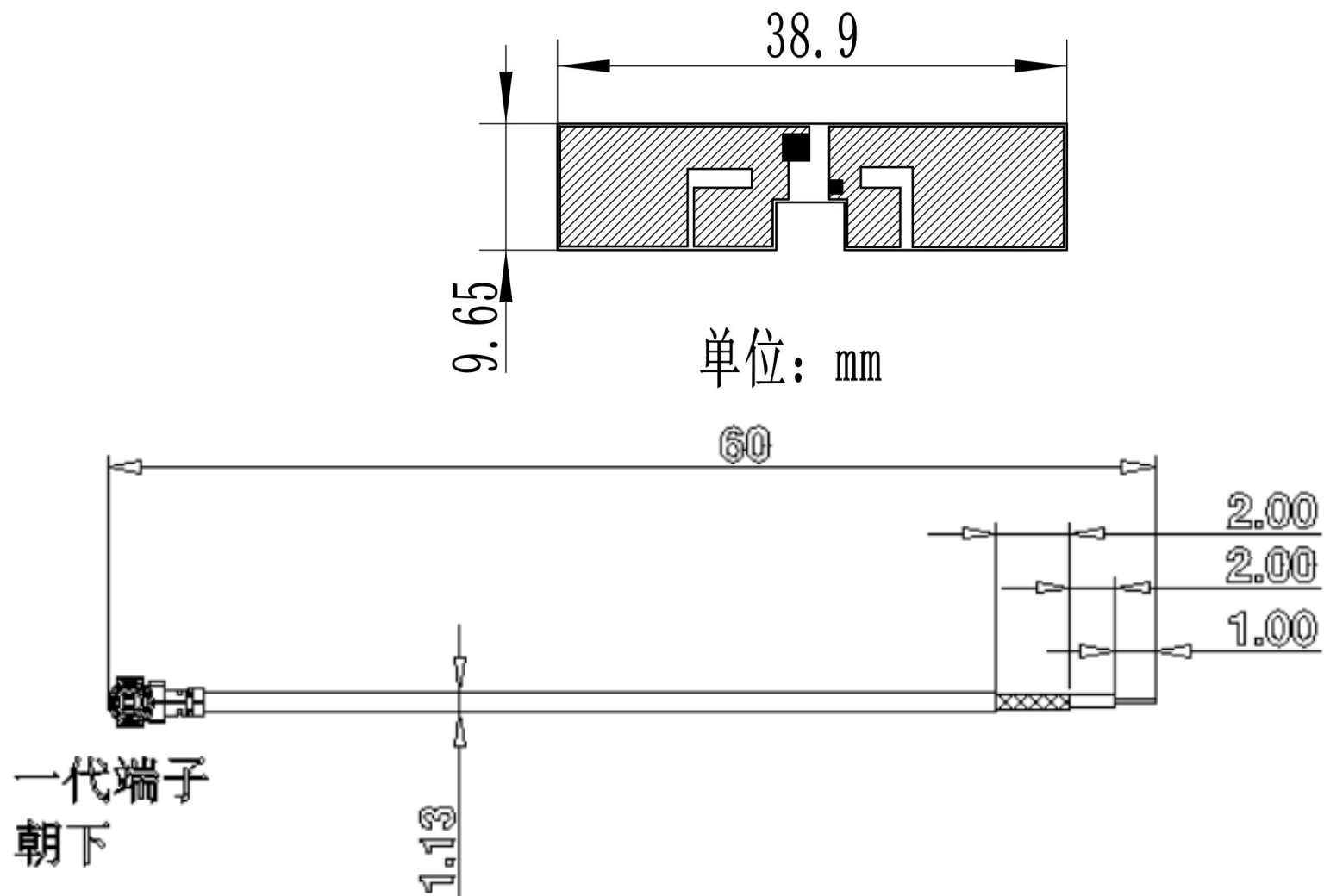
2450.000MHz E2



Location of antennas



Design drawings(mm)



Conclusions

- 1, From the test results,the antenna shows good performance,it should can meet the applications;
- 2, Compared the test results of two prototypes,the performace of antenna seemed alomost same;
- 3, Welcome to contact us if you have any other questions.

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