

深圳市和鸣微科技有限公司

Shenzhen HamyWe Technology Co., Ltd.

Wei Chengxintong 8253B

版本
V 1



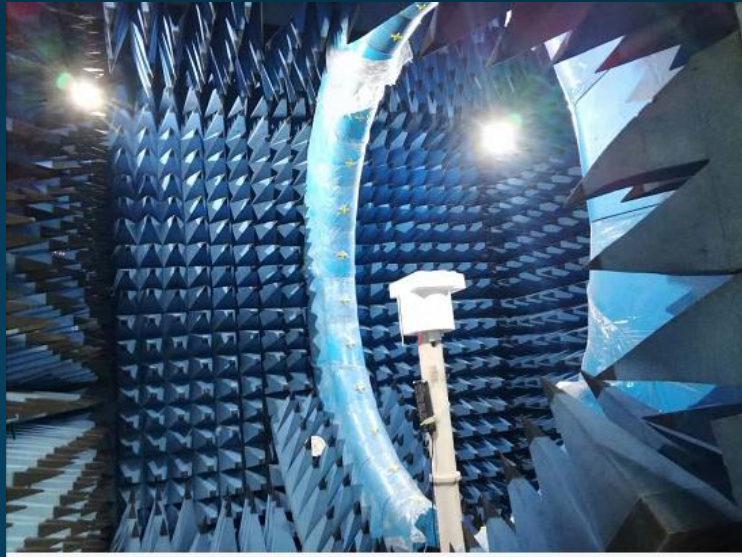
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日 期：2023/2/22

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test equipment

SG24



GTS



Agilent 8960



CMW 500

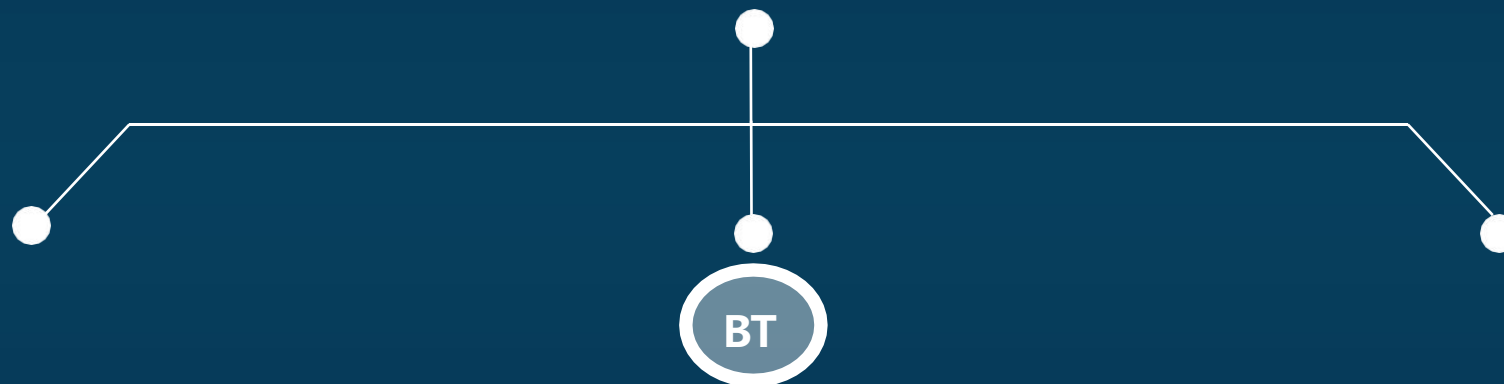


Agilent E5071B

test system	testing environment	Active test	Passive test
SG24	t: 22°C ± 3°C	Supports 2G/3G/4G	600MHZ——6G
ETS	h: 50% ± 15%	Supports BT/WIFI/GPS	

Item description

Wei Chengxintong 8253B



Machine type: Keyboard

Antenna mode: ceramic

match circuit

RF Module

E4

E2

Antenna

HM5220ANT2450-HM5B

Whether the match has changed

NO

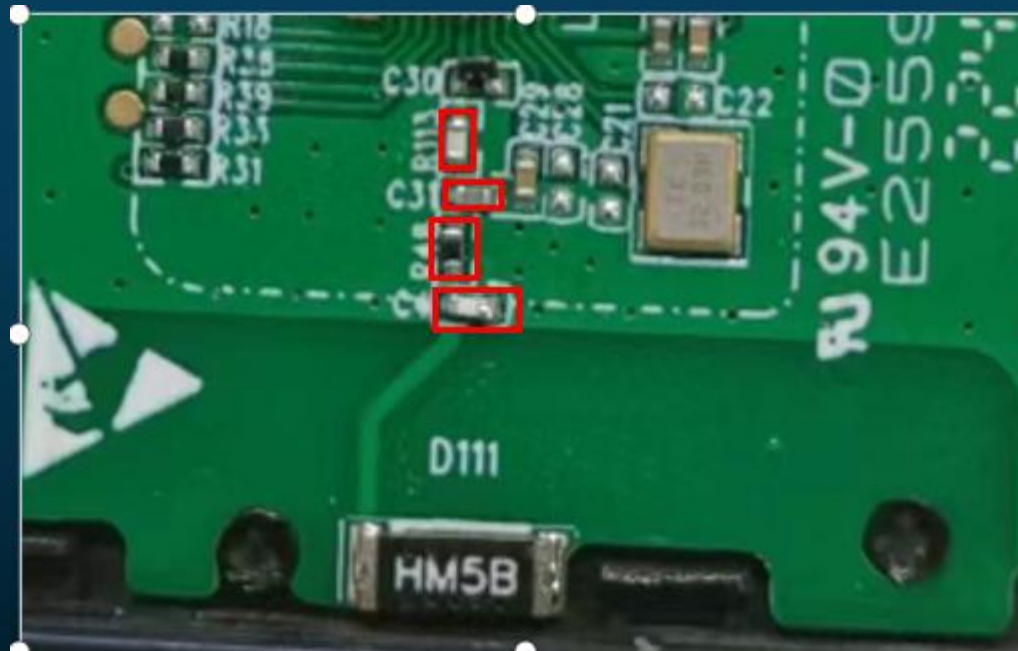
ESD

E3

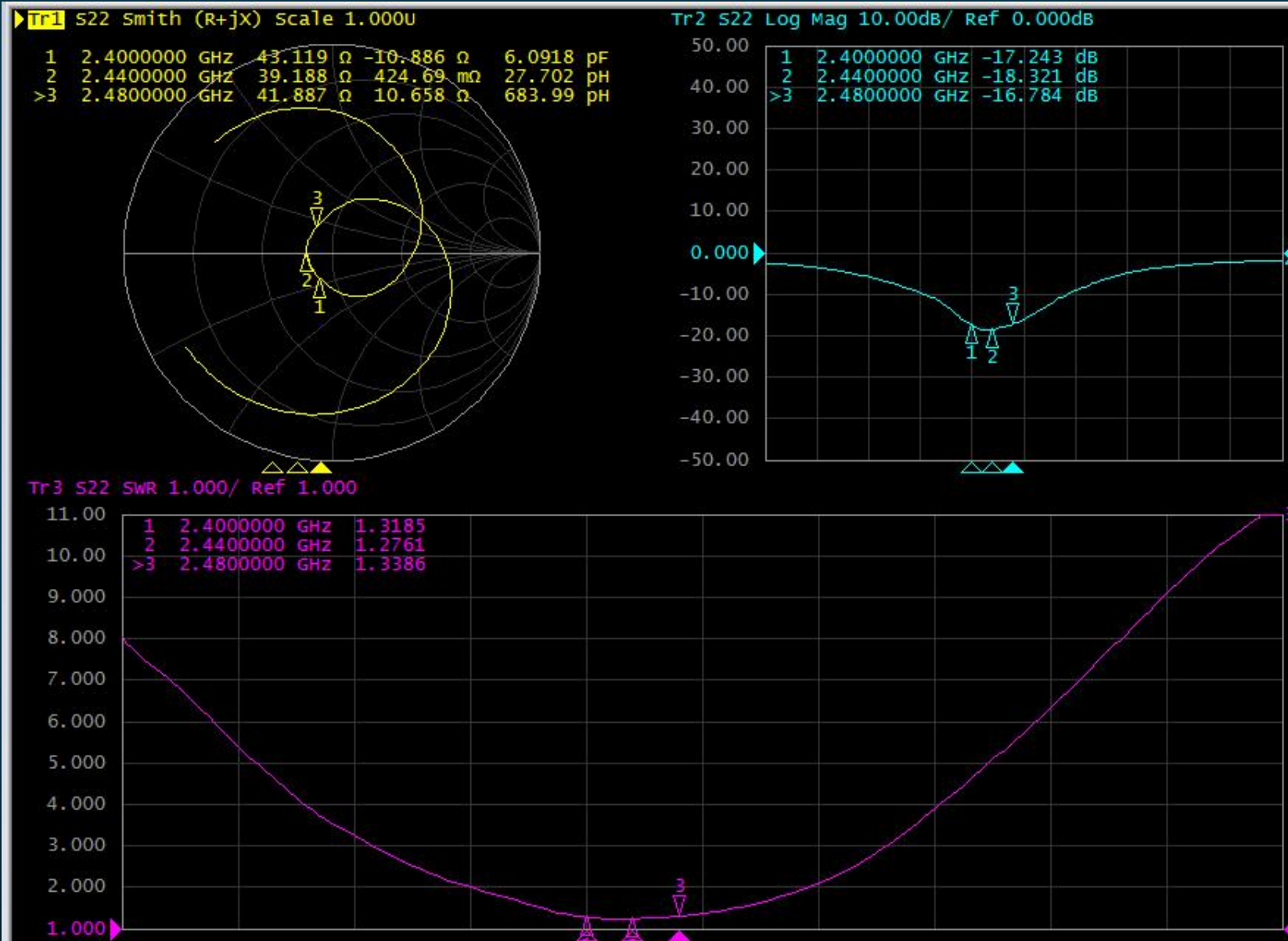
E1

BT ANT

Element	Value
E1 (0402)	3.3nH
E2 (0402)	OR
E3 (0402)	0.5pF
E4 (0402)	3.3nH



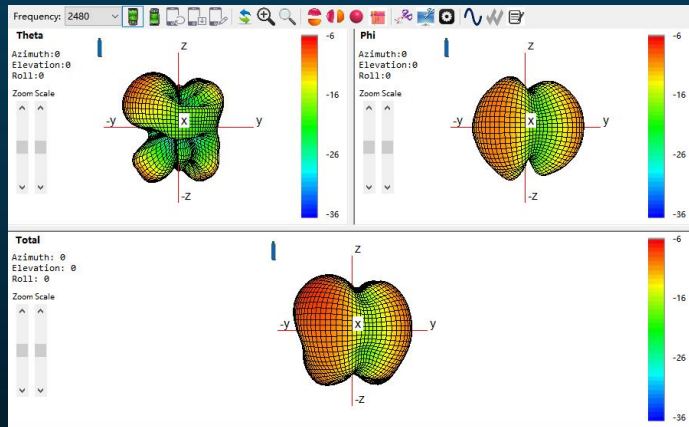
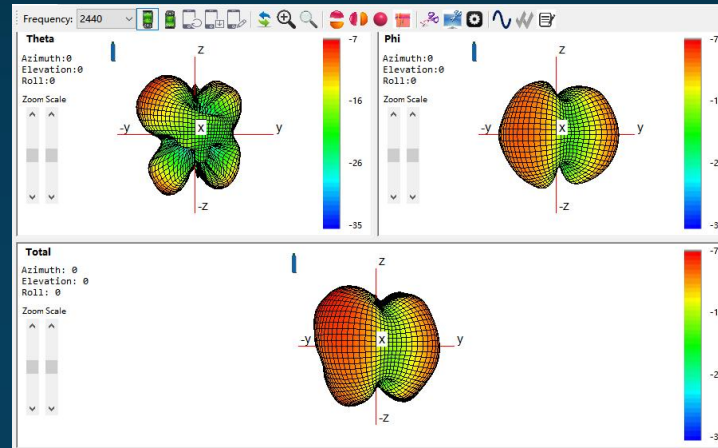
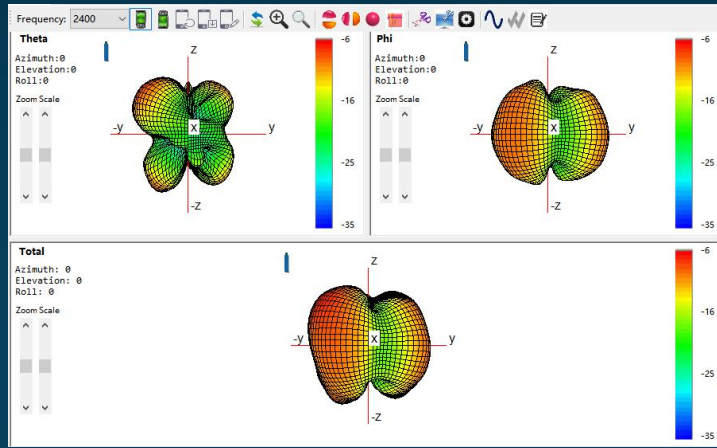
S11 test data



1# *GAIN & Efficiency*

Frequency (MHz)	Gain(dB)	Efficiency(%)
2400	-4.66	18.27
2410	-4.82	17.88
2420	-5.2	17.36
2430	-5.08	17.64
2440	-5.09	17.6
2450	-4.96	17.83
2460	-4.72	18.29
2470	-4.77	18.3
2480	-4.93	18.11
2490	-4.97	18.02
2500	-5.02	18.11

3D Radiation Pattern



2# *GAIN & Efficiency*

Frequency (MHz)	Gain(dB)	Efficiency(%)
2400	-4.66	19.27
2410	-4.82	19.88
2420	-5	19.36
2430	-4.68	18.64
2440	-5.09	19.6
2450	-4.66	18.83
2460	-4.62	19.29
2470	-4.77	20.3
2480	-4.43	19.11
2490	-4.37	18.02
2500	-4.92	19.31

3D Radiation Pattern

