

东莞市亨松电子科技有限公司

Hengxin Technology Inc.

RF Antenna Test Report

Tester : Wu Xian Ming

Approval : Chen Guo Qiang

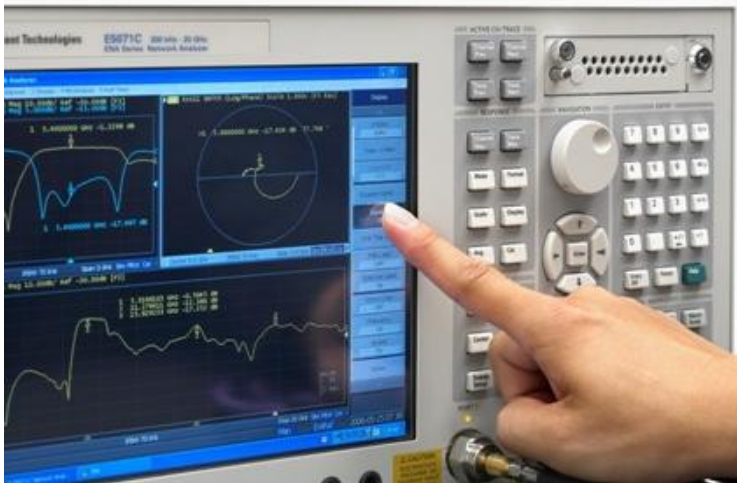
电 性 测 试 报 告

Test Reports

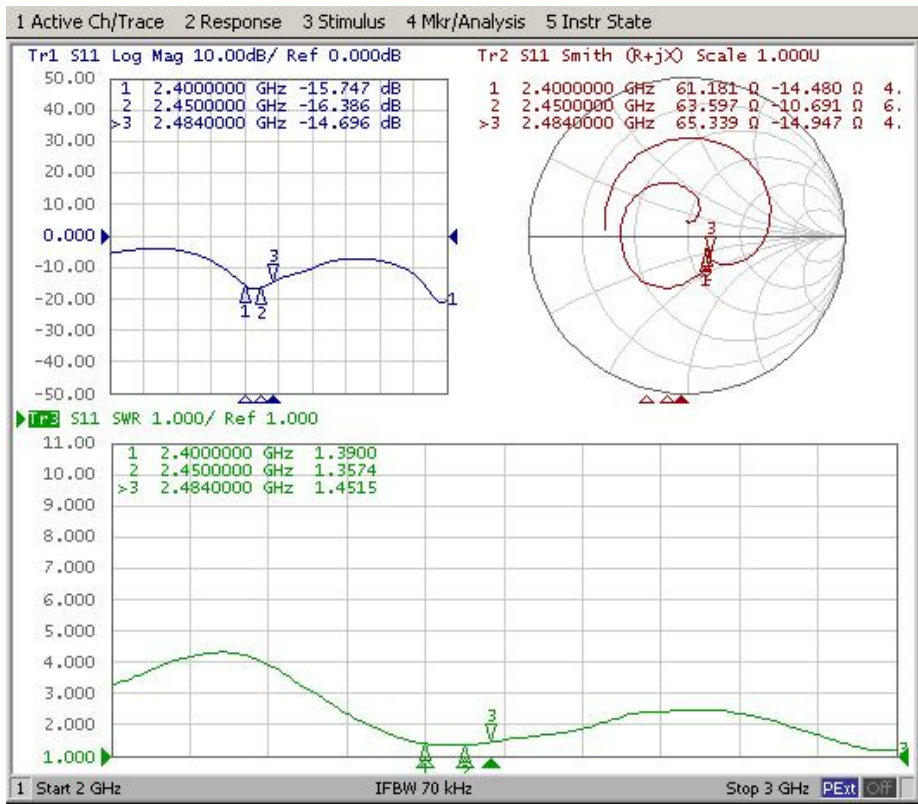
Electrical Properties	
Frequency	2400 ~ 2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	<=1.8
Return Loss	-16 dB Max
Radiation	Omni-directional
Gain (Peak)	2db
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	N/A
Physical Properties	
Antenna Material	phosphorous copper
Cable Type	N/A
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gold or silver or customized

Antenna Performance Test

Agilent
E5071B



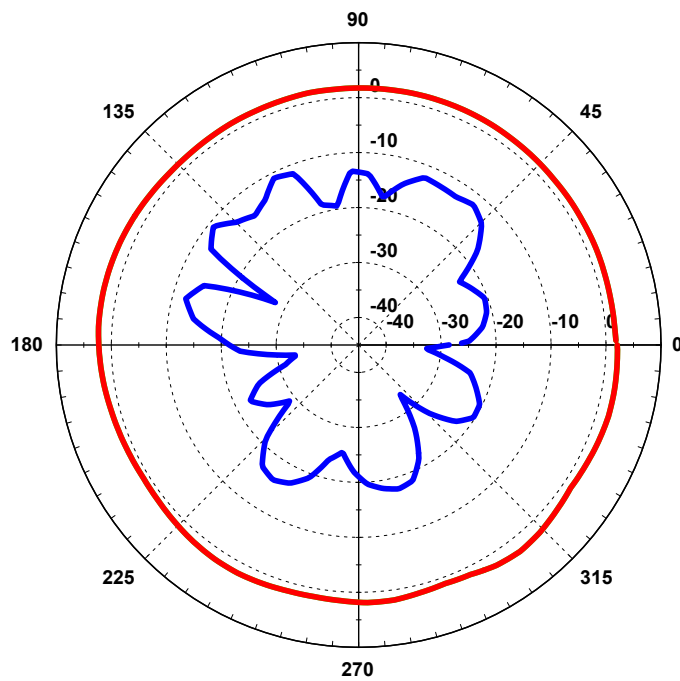
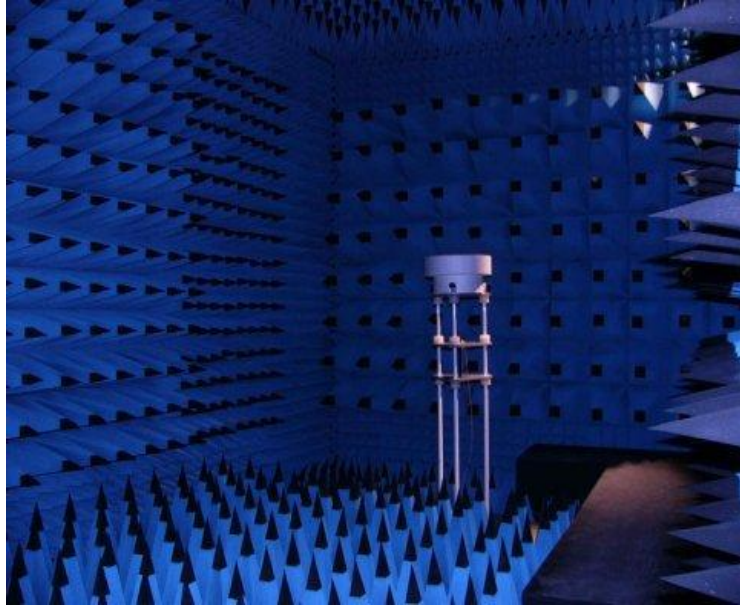
S
Parameter
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WIFI



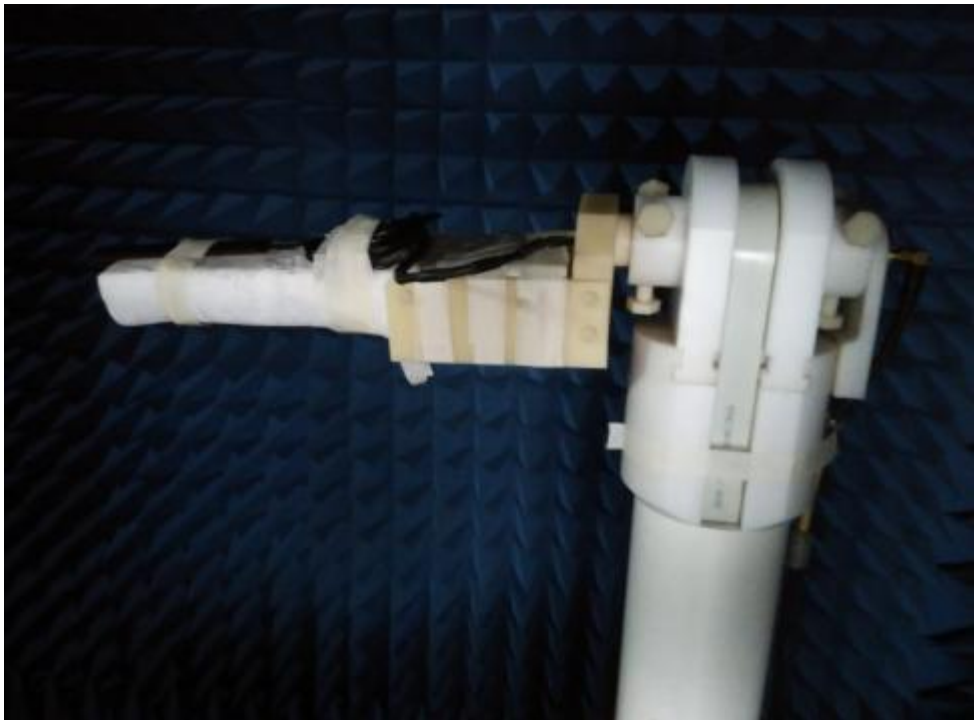
增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



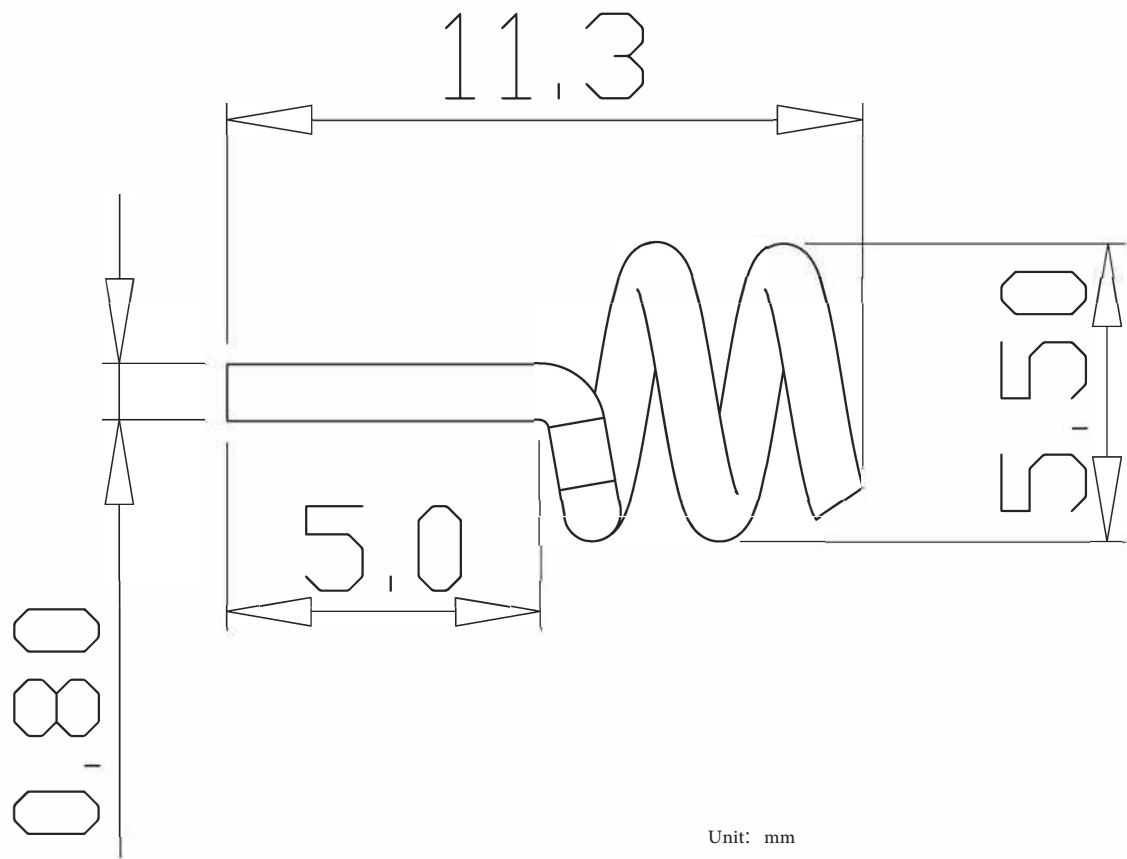
Antenna Passive Test



Passive Test For WIFI

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	72.3	-1.4	1.9
2410	74.5	-1.3	2.0
2420	75.0	-1.3	1.9
2430	76.0	-1.2	2.1
2440	76.2	-1.3	2.0
2450	75.8	-1.2	2.0
2460	77.9	-1.1	2.0
2470	79.5	-1.0	2.1
2480	79.2	-1.0	2.1
2490	76.2	-1.2	2.1
2500	74.6	-1.3	2.1

RoHS
Compatible



Spring technical requirements

material	Phosphorus copper
diameter	0.6mm

4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

Quiet Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna

