

ZWAVE WIFI Antenna

ORDER INFORMATION

Product Name	ZWAVE WIFI Antenna
Part Number	M04-0105450R0A
Antenna Manufacturer	Aboosty
Dimensions	118x 118x1.6 mm
Weight	50.5g
Color	Black
Mounting	On-board Antenna

REFERENCE GUIDE

Technical Features (MHz)	2400-2500
Max VSWR	2.0:1
Max Efficiency	65.17%
Peak Gain	1.33dBi
Radiation Pattern	Omnidirectional
Polarization	Linear
Types of Antennas	On-board antenna
Structure	PCB
Input Impedance	50 Ω
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Relative Humidity	10 to 70%
Material Substance Compliance	RoHS Compliant
Dimensions (L x W x H)	118x 118x1.6 mm
All data were tested on a base mounted on a 118x 118mm PCB.	

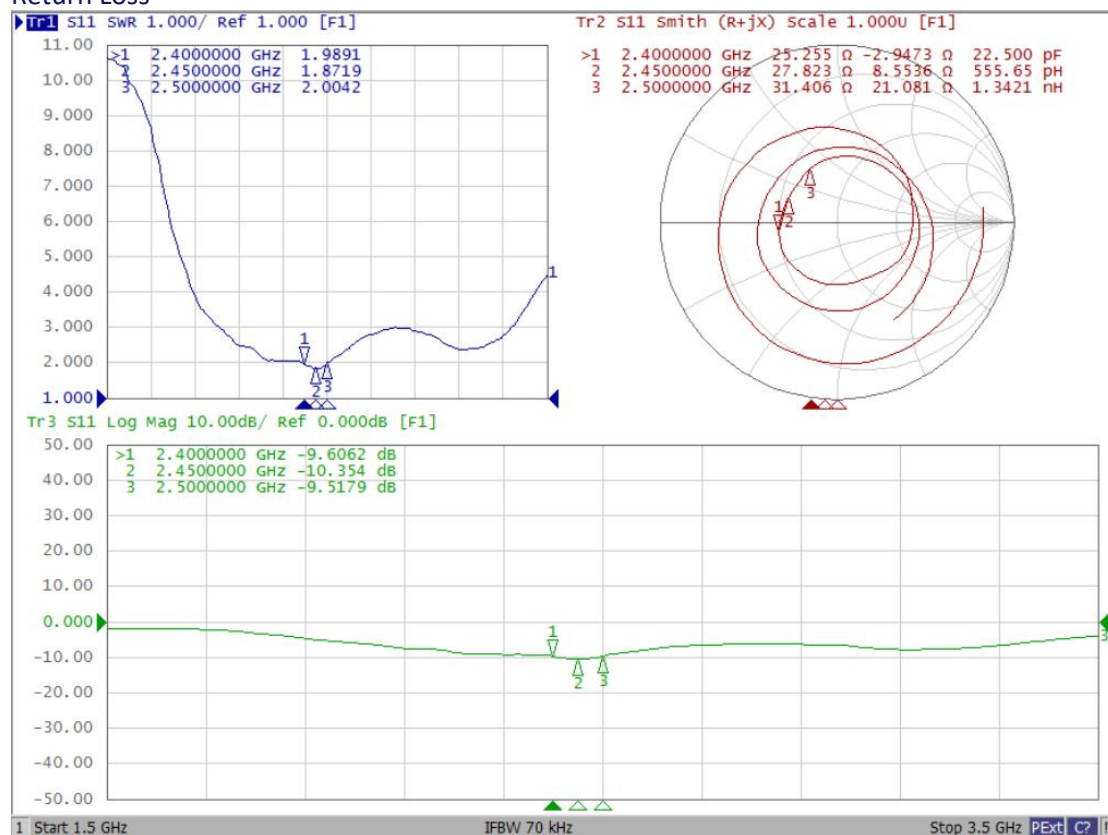
MyAntenna RF Technology Co., Ltd

ADD: No. RM 410, Country Garden Phoenix Wisdom Valley, No. 50 Tiezai Road, Baoan District, Shenzhen, P.R.China.

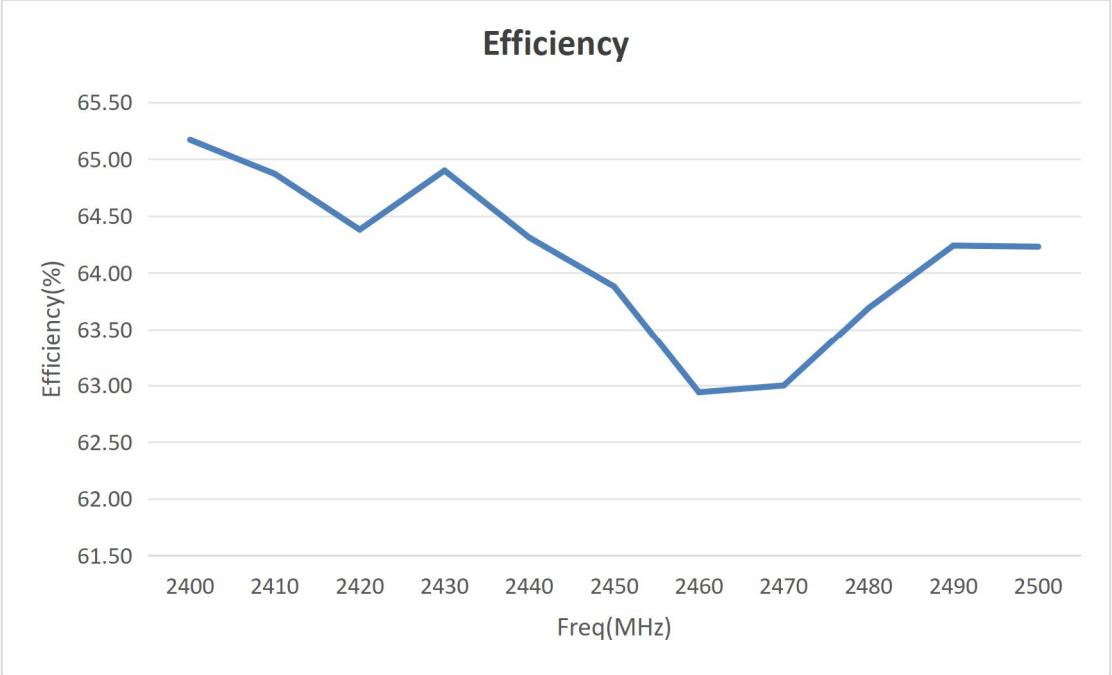
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL DATA (Tested on a base mounted on a 118×118mm PCB)

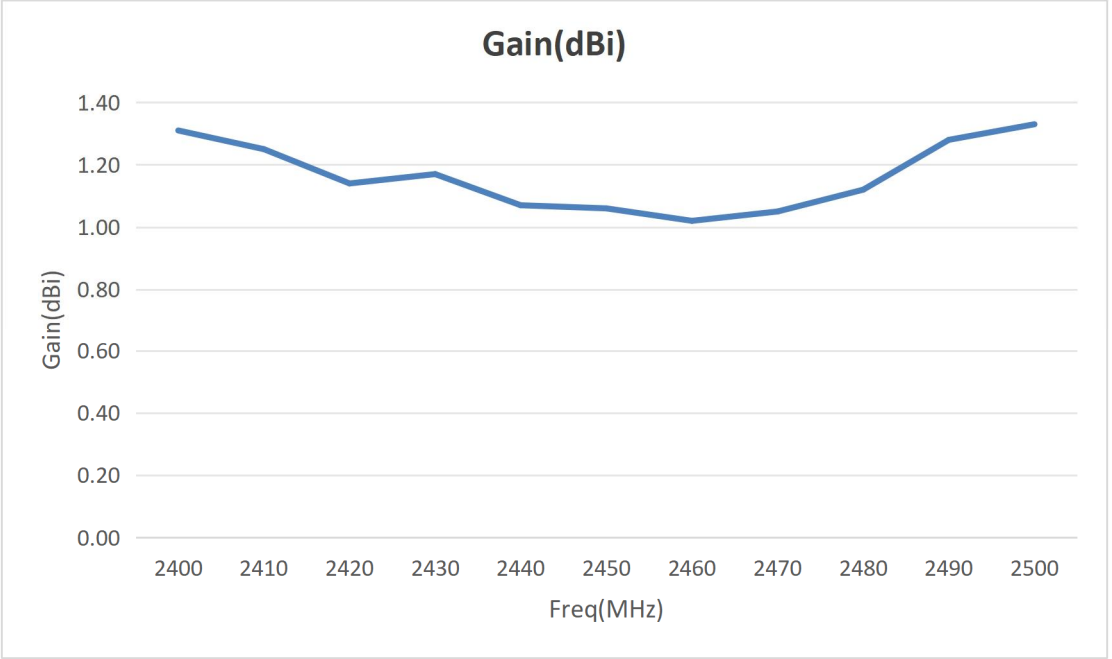
Return Loss



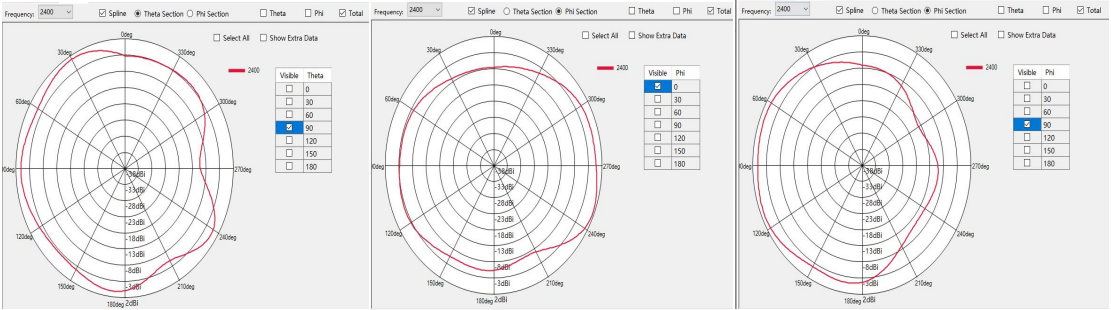
Efficiency (%)



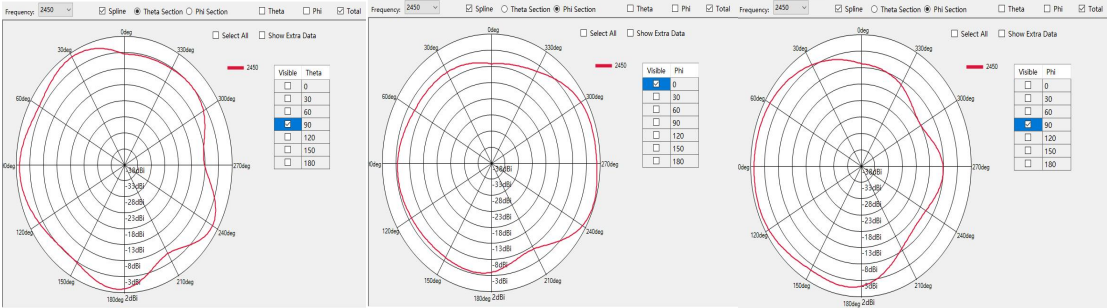
Peak Gain (dBi)



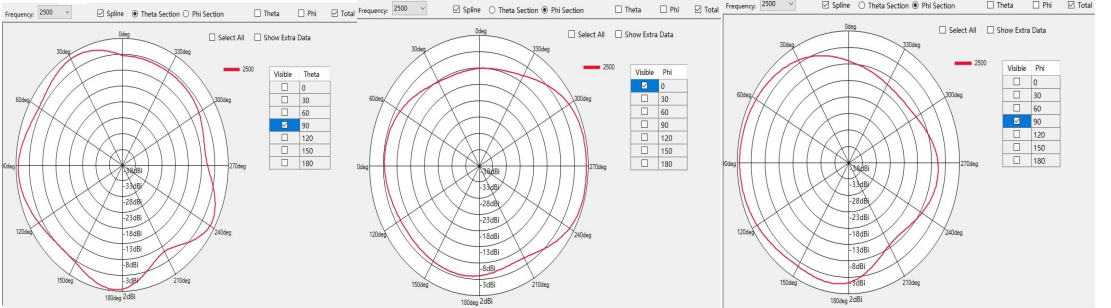
Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.31	65.17	2460	1.02	62.94
2410	1.25	64.87	2470	1.05	63.00
2420	1.14	64.38	2480	1.12	63.69
2430	1.17	64.90	2490	1.28	64.24
2440	1.07	64.31	2500	1.33	64.23
2450	1.06	63.88			



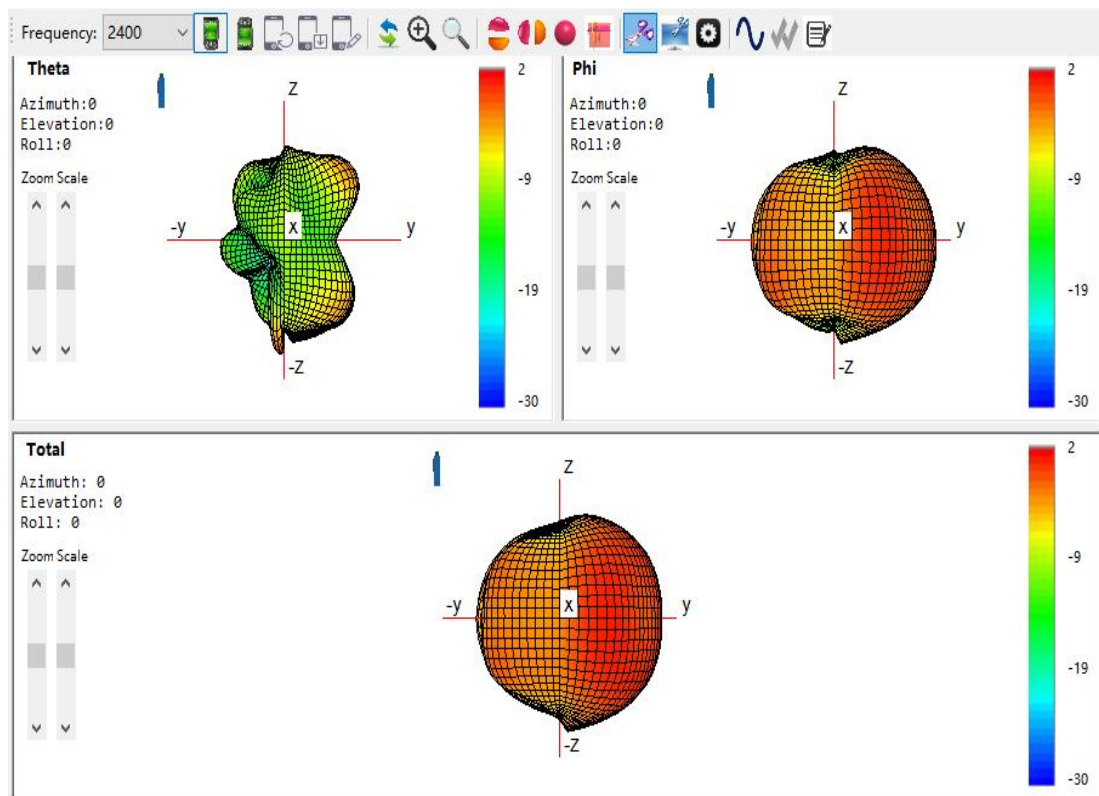
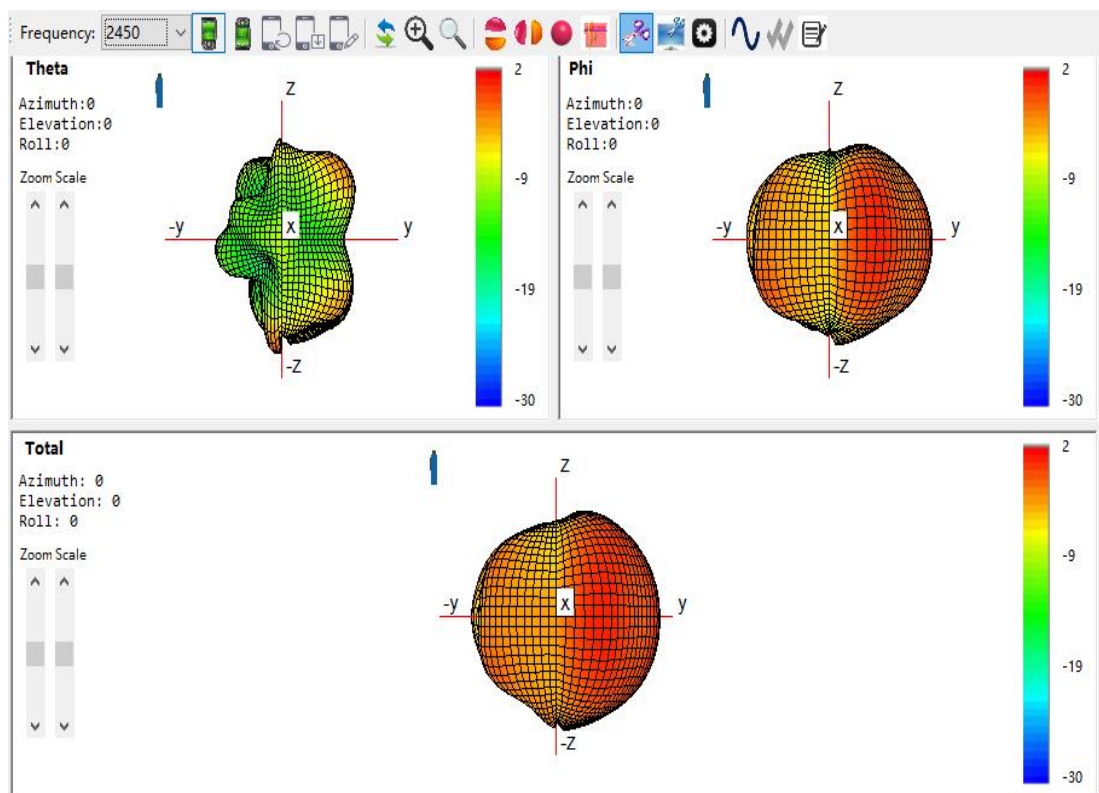
2D Radiation Pattern at 2400MHz Gain=1.31

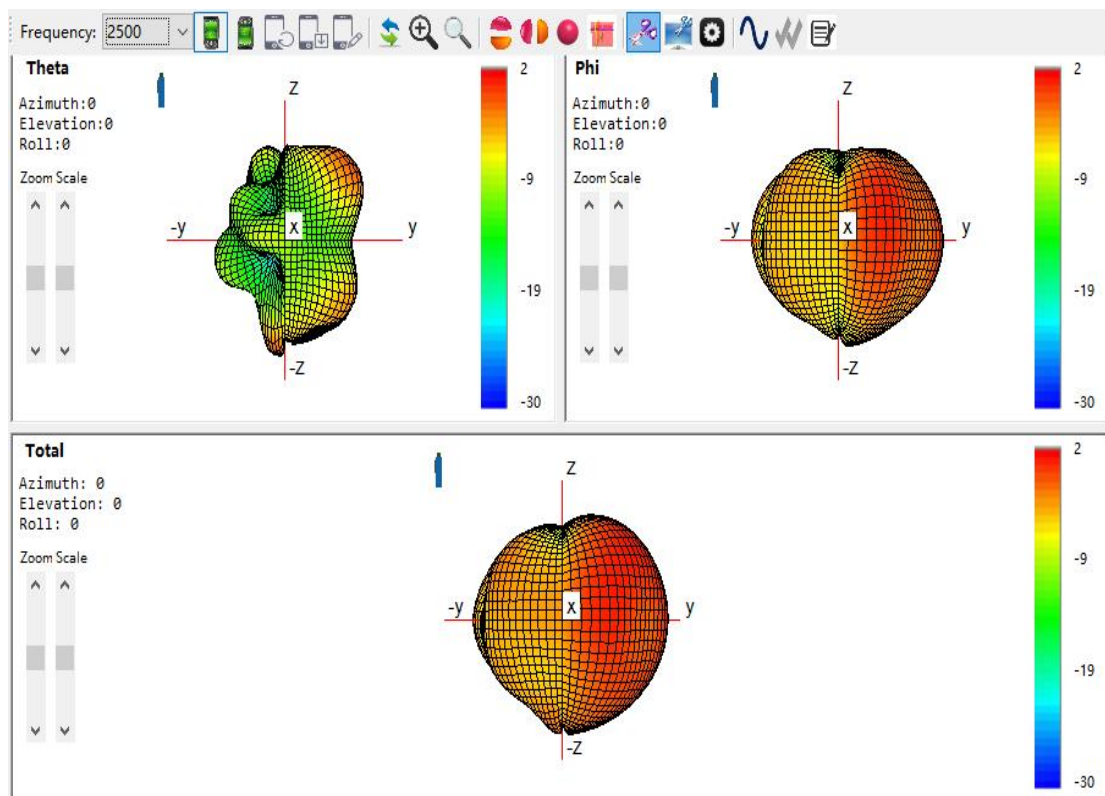


2D Radiation Pattern at 2450MHz Gain=1.06

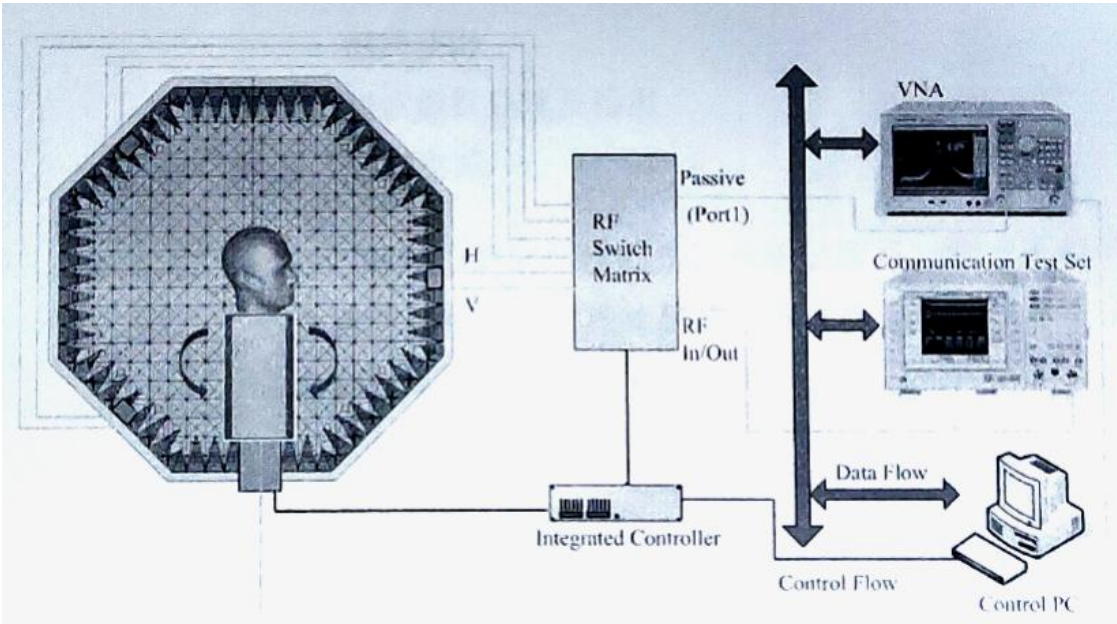


2D Radiation Pattern at 2500MHz Gain=1.33

3D Radiation Pattern at 2400MHz Gain=1.31**3D Radiation Pattern at 2450MHz Gain=1.06**

3D Radiation Pattern at 2500MHz Gain=1.33

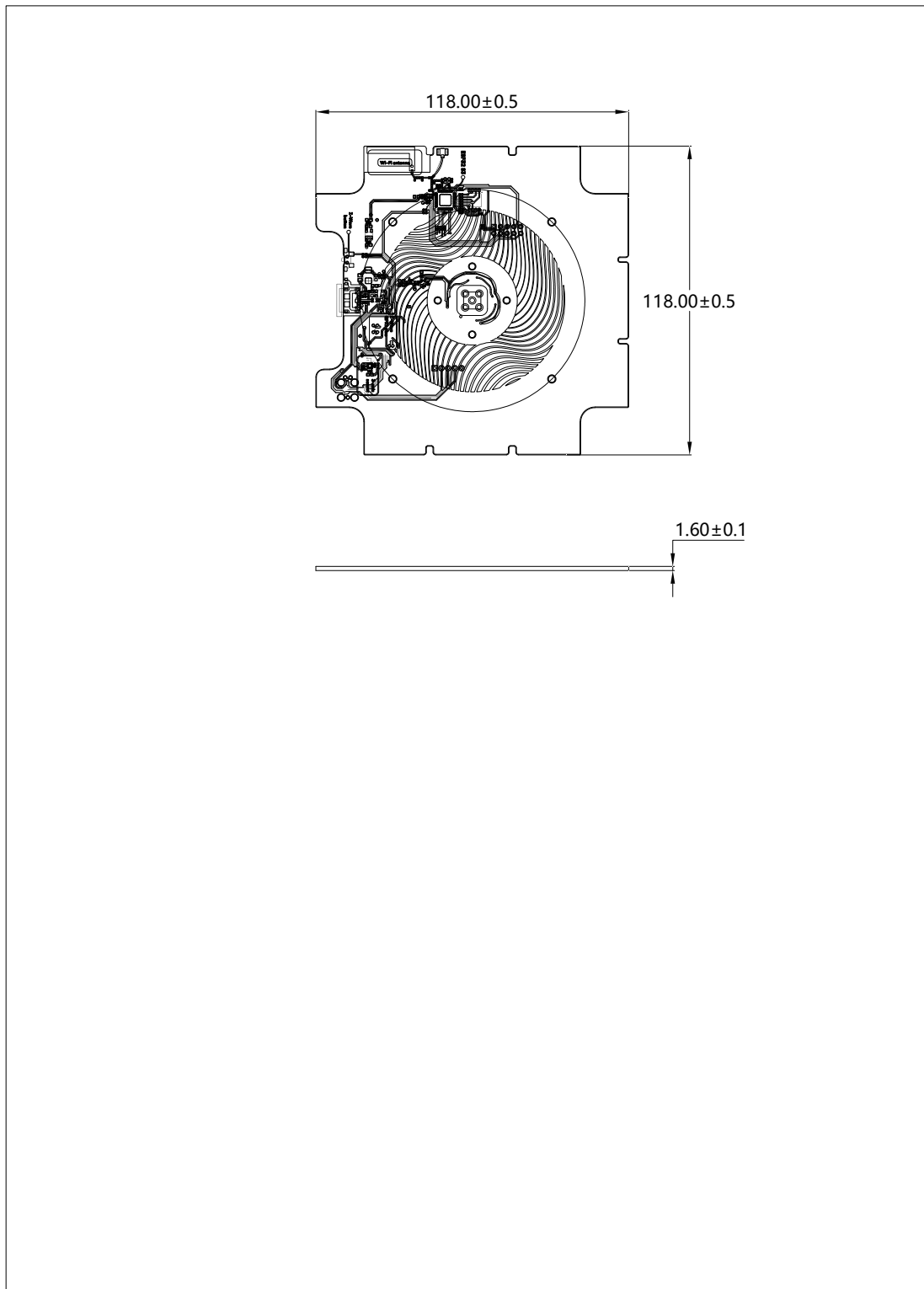
TESTING PROCEDURES



Equipment list

ID#	Device	Type/Model	Manufacturer
1	Anechoic Chamber	RayZone 2800	General Test Systems
2	Turn Table	GTS	General Test Systems
3	Measurement SW	MaxSign 100,V18.7.6	General Test Systems
4	Network analyzer	Agilent E5071C	Agilent
5	Cable 2m -30MHz to 18GHz	SFT205-SMSM(RA)-2M	Atem

Testing Ground: No.RM 410, Country Garden Phoenix Wisdom Valley, No. 50 Tiezai Road, Baoan District, Shenzhen, P.R.China.

HOUSING CONFIGURATIONS

Aboosty™ is owned by Shenzhen MyAntenna RF Technology Co., Ltd. (often abbreviated as MyAntenna).