

902-928MHz Passive antenna report

client:	Mail delivery
item:	aqs-lb
Antenna modification:	A0
Preparation engineering:	Guoxi (18970988655)
auditor:	Li Sheng (13683276589)
date:	2024.09.28

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This report is to debug the performance of **aqs-lb**, antenna operating frequency of **902-**

928MHz Test the content;

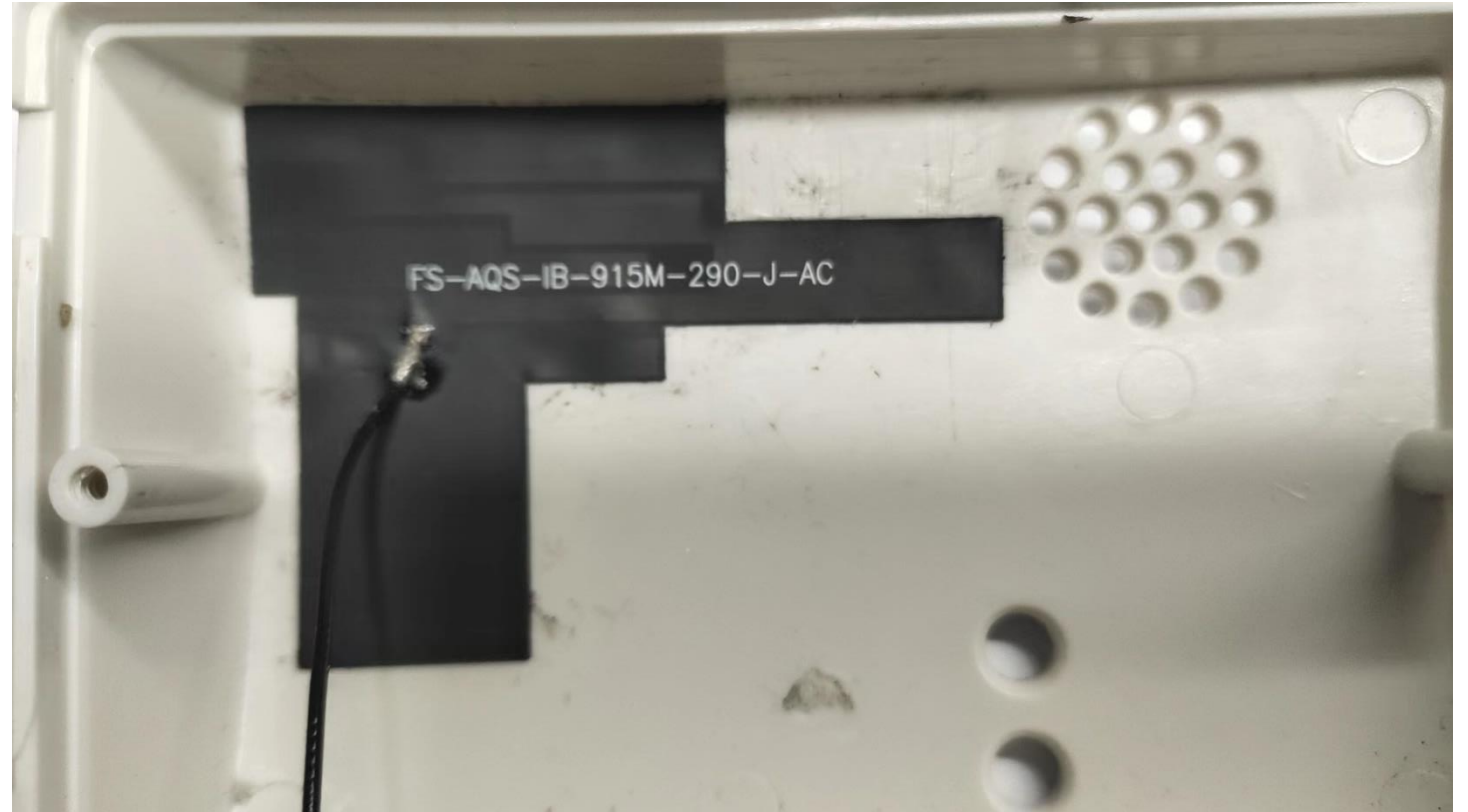
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1、Product graphics

Front view



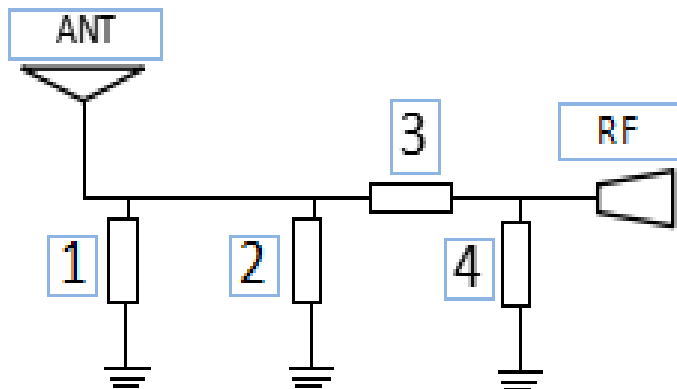
Main antenna



2、Test system

Serial number	Testing instrument
S11 Parameters	Agilent 5071B
OTA testing	Agilent 5071B & CMW500 & Agilent 8960
Gain and efficiency	Agilent 5071B

3、Antenna matching

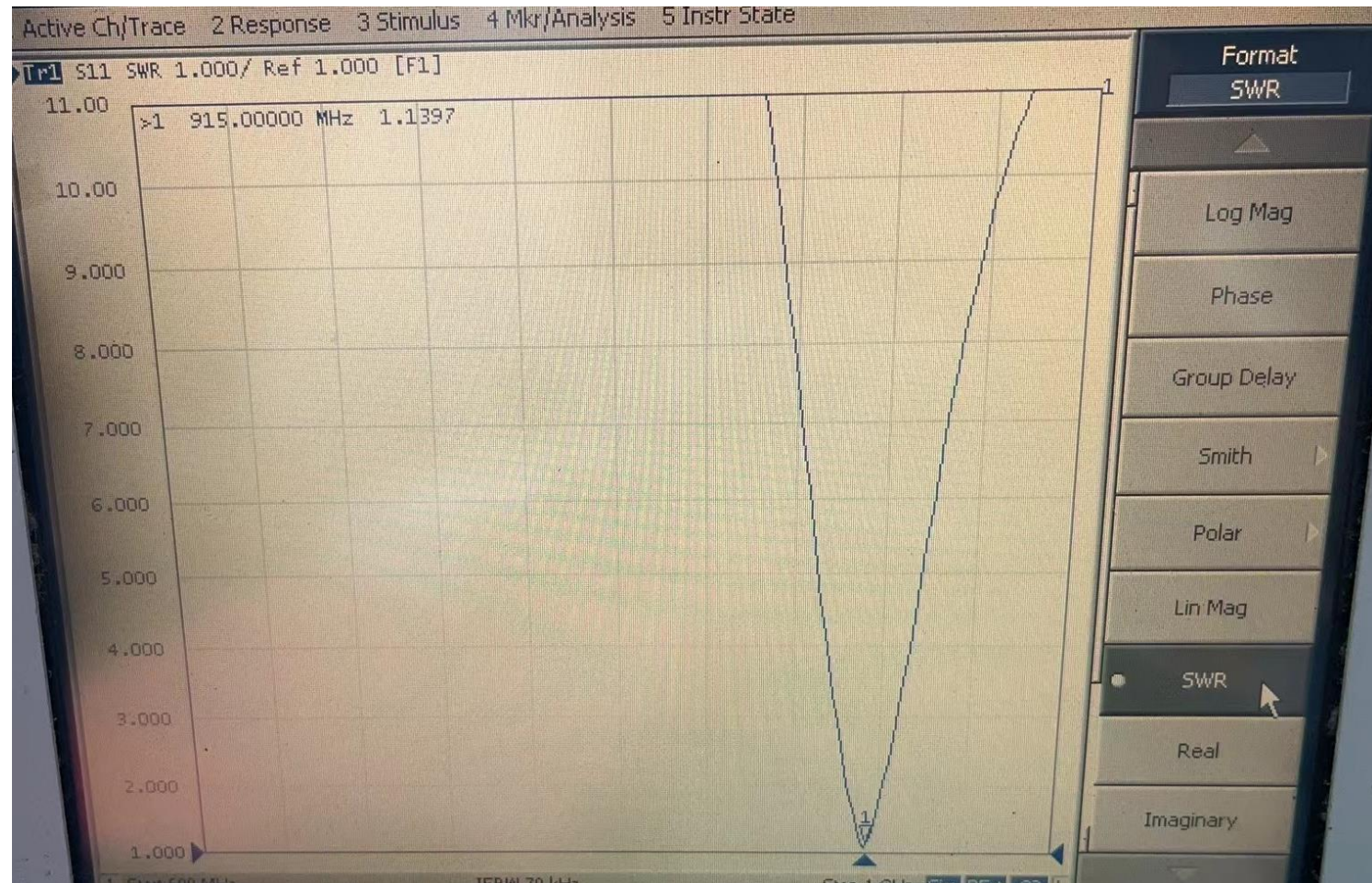


Serial number	capacitance	inductance
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A

PCB end matching circuit is unchanged

4、The antenna test results

4.1 S11 Parameters



Frequency (工作频段)	915
VSWR (驻波比)	1.13

4、Antenna test result

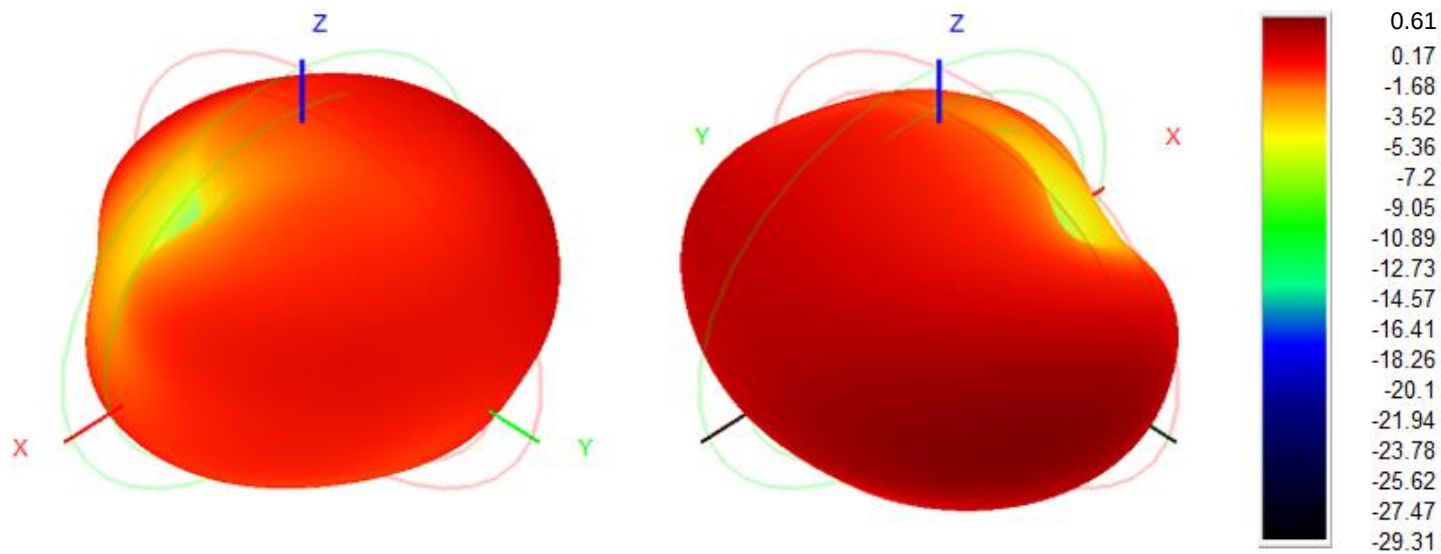
4.2 Efficiency gain

Frequency (MHz) (工作频段)	Efficiency (%) (效率)	Peak GAIN (dBi) (增益)
915	49.07	0.61

4、Antenna test result

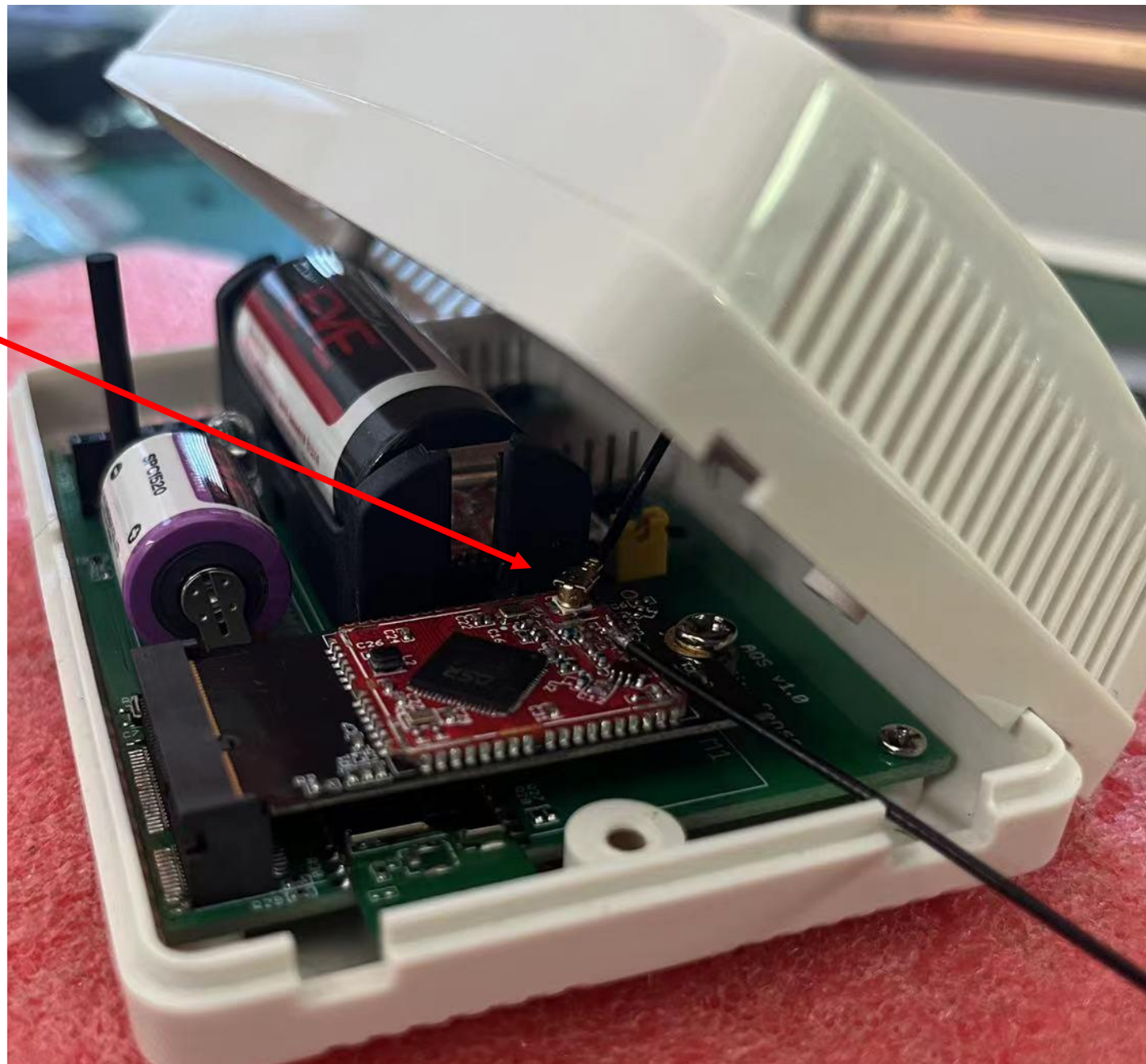
4.3 Two, three-dimensional graphics

915MHz



5、Installation requirements

This position needs to be installed close to the battery, as shown in the figure.



6、 conclusion

The passive test shows that the antenna works well. If you have any other questions, please contact us. Thank you.