

ANWEI Customer Antenna Test Report

2.4/GPS Ghz

V1.0

2025.05.26

Client Name: YaXing

Project Name: W80

Company address: Anwei Wireless Technology Co., Ltd. 2nd Floor, East Block,
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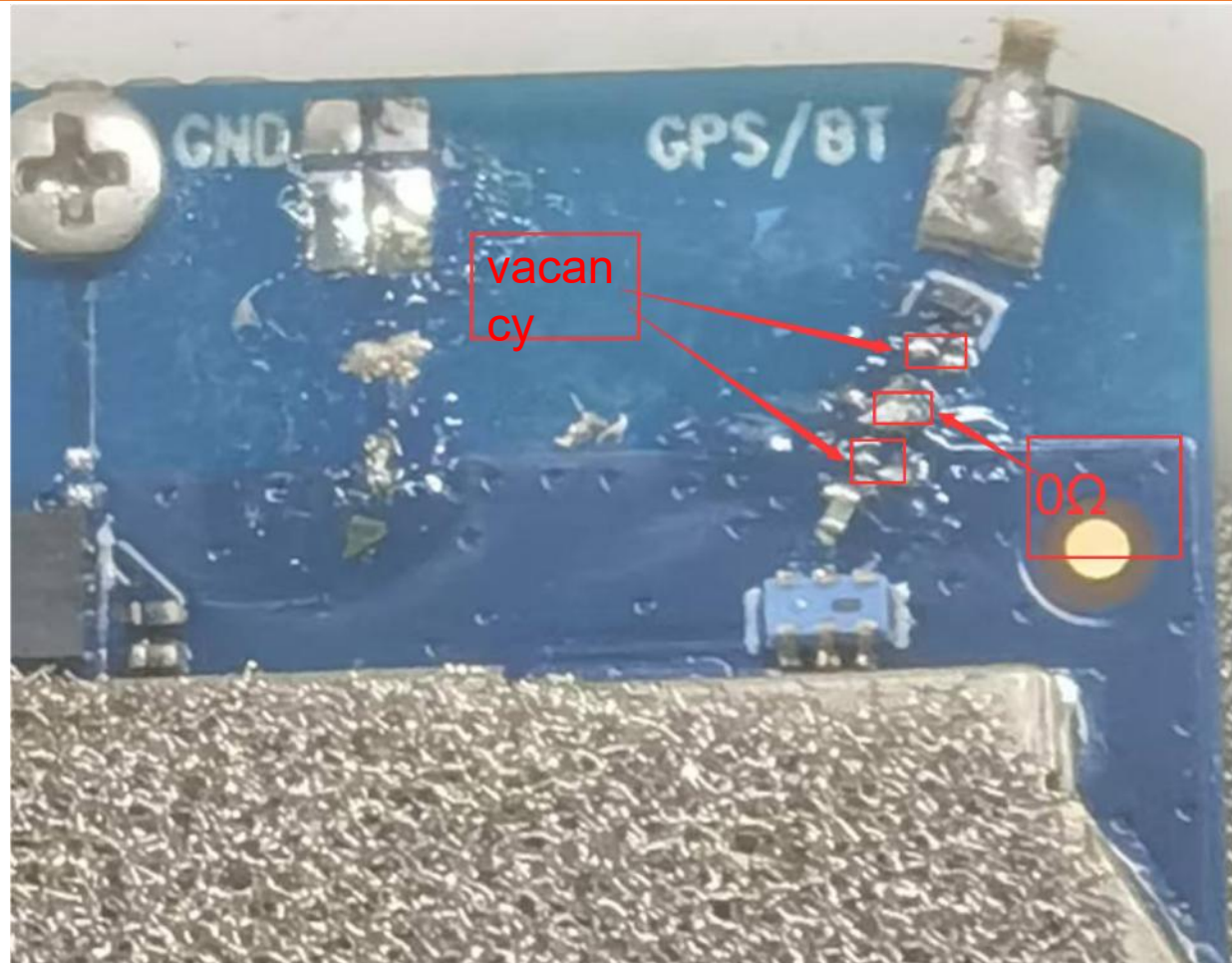
contents

- release note
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release note

version	date	describe
V1.0	2025.03.03	Debugging report

Replace matching materials

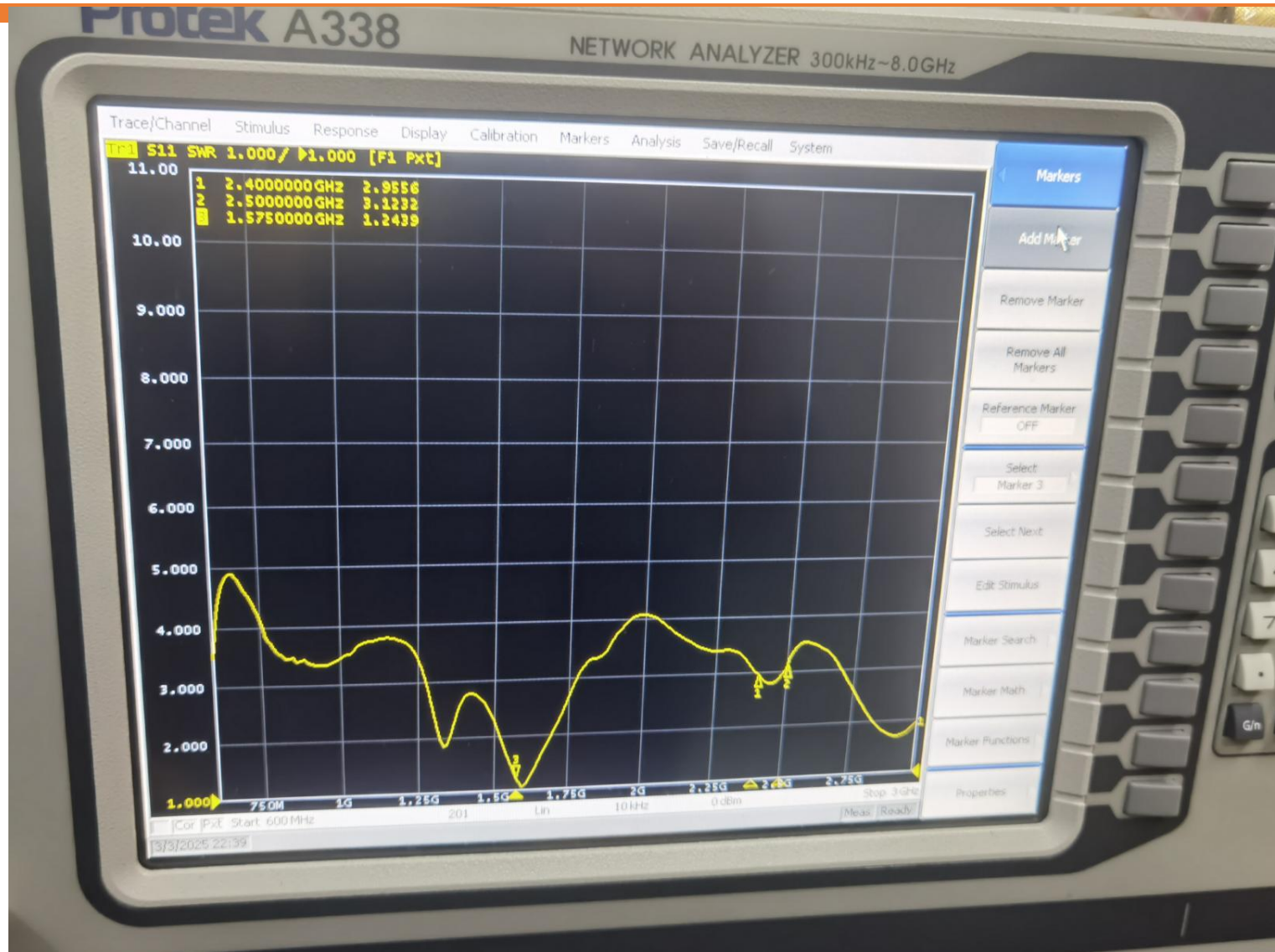


Note: The antenna parameters modified by our company are shown in the above figure, and no other matching parameters have been changed. Other parameters are based on the original parameters of the motherboard

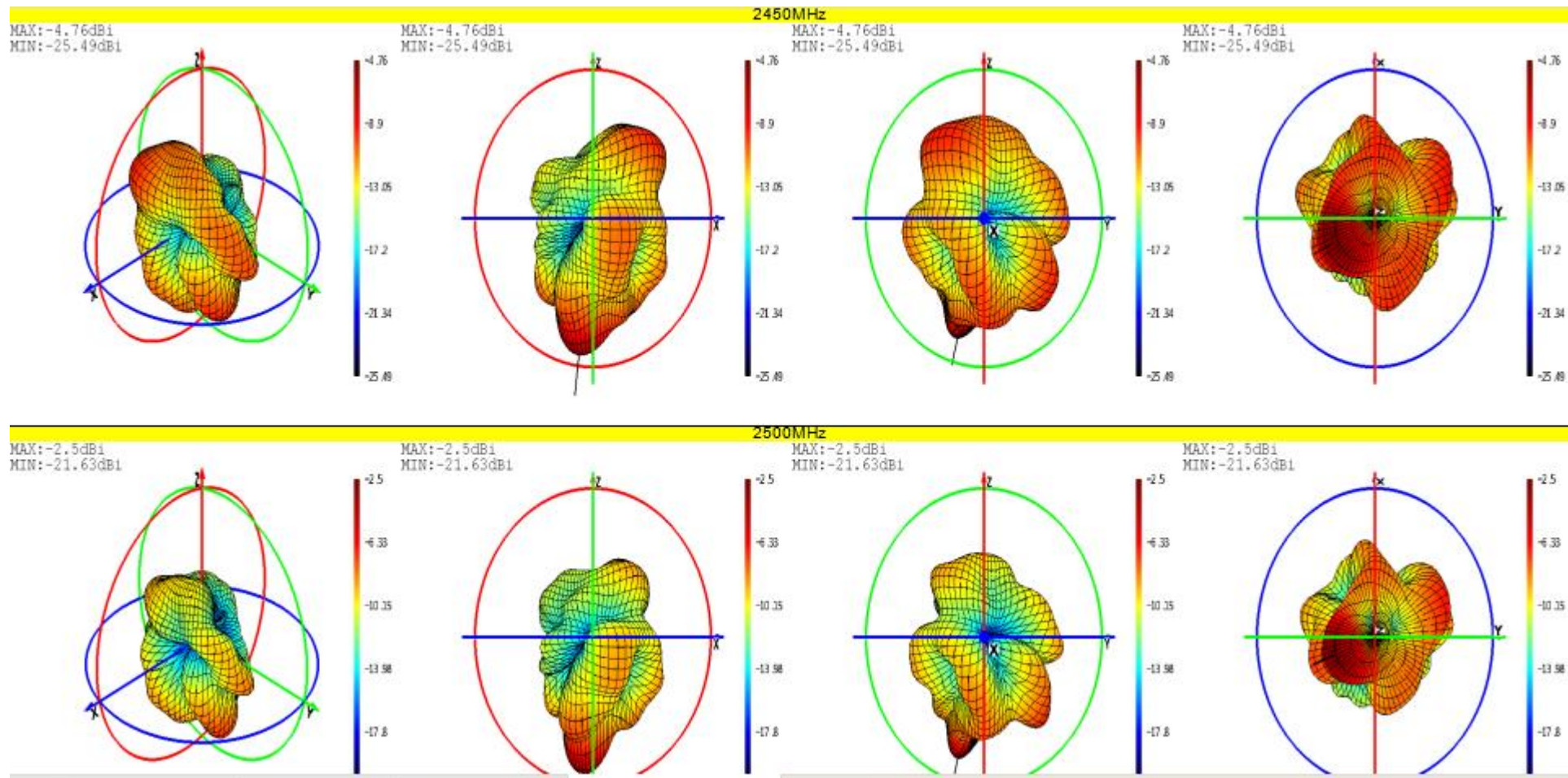
Passive parameters

Frequency ID	1	2	3	4	5	6
Frequency (MHz)	1570	1575	1580	2400	2450	2500
Gain (dBi)	-1.57	-1.75	-1.82	-5.17	-4.76	-2.50
Efficiency (dB)	-9.18	-9.45	-9.52	-11.78	-12.46	-11.07
Efficiency (%)	12.07	11.36	11.17	6.64	5.68	7.82
Plane: Phi=0	1570	1575	1580	2400	2450	2500
Plane: Phi=90	1570	1575	1580	2400	2450	2500
Plane: Theta=90	1570	1575	1580	2400	2450	2500

Passive debugging

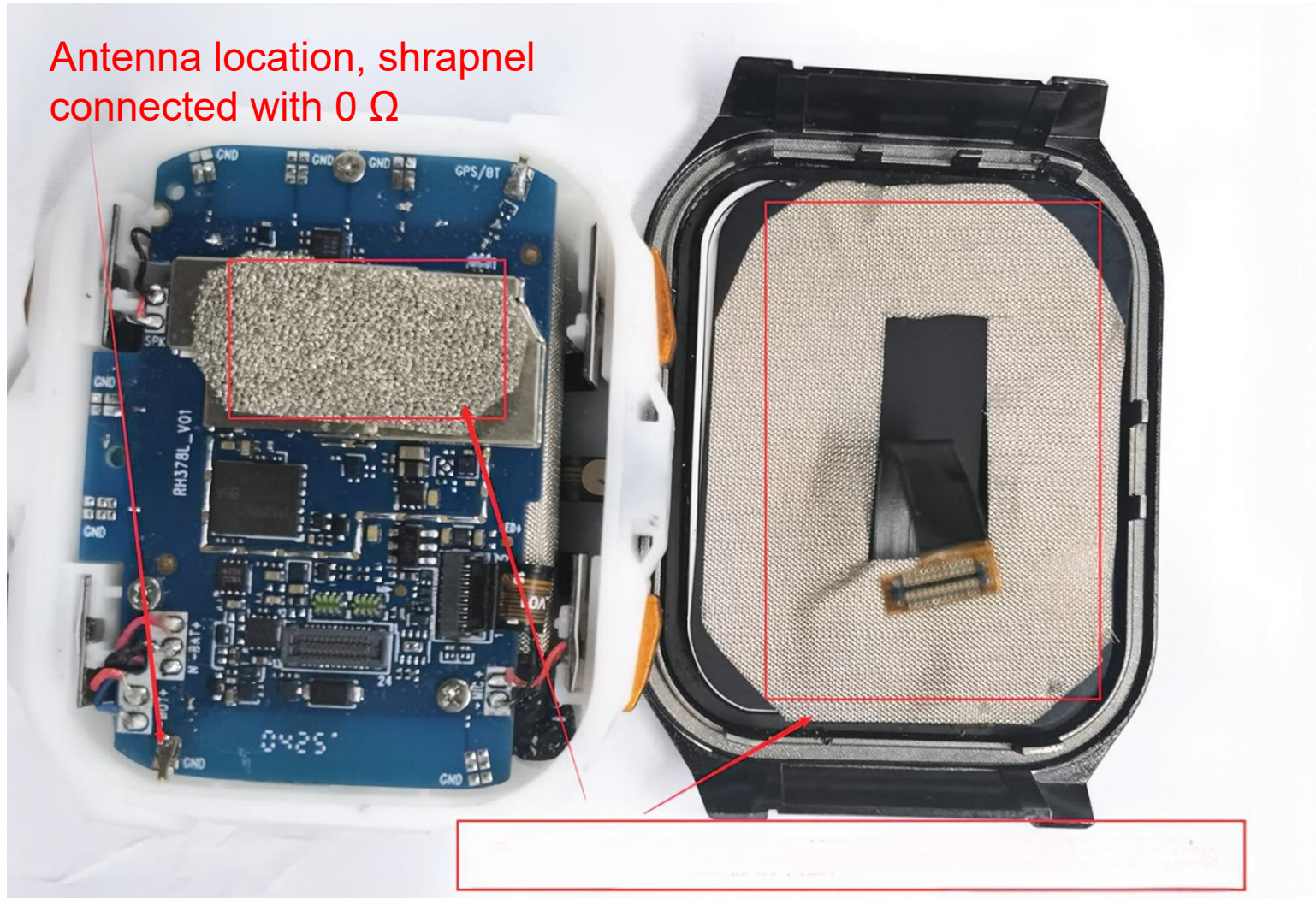


Antenna3DRadiationPattern (Unit:dbi)



environmental treatment

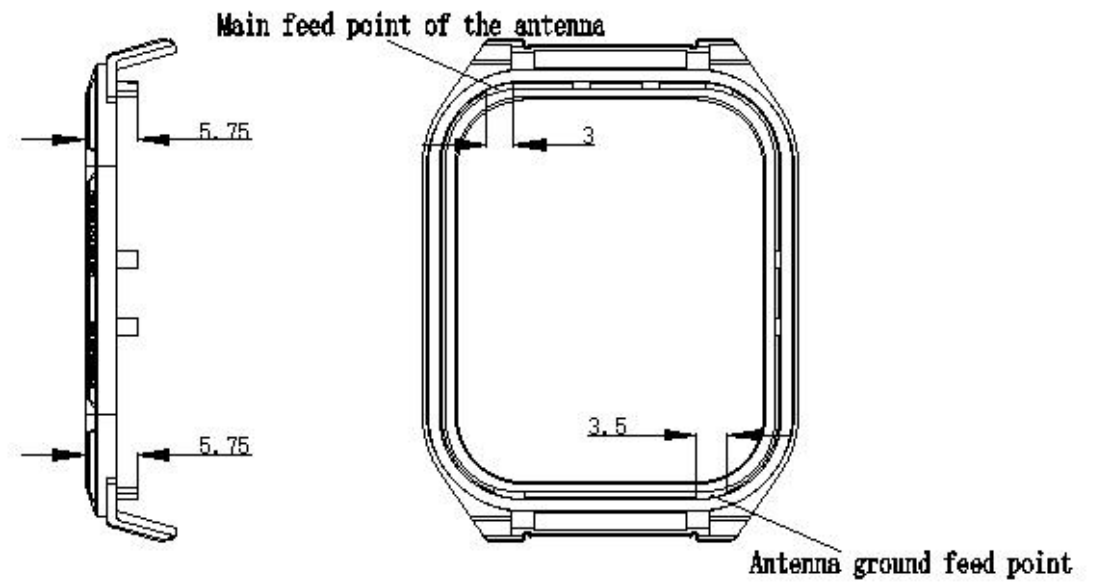
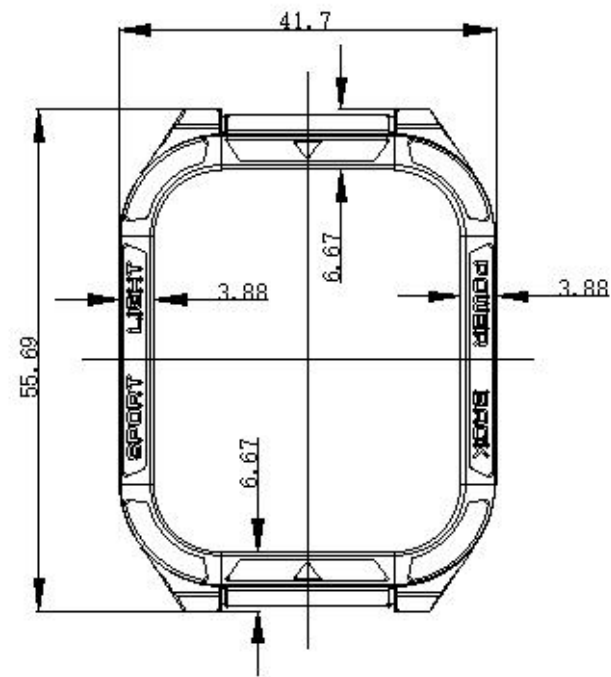
Antenna location, shrapnel
connected with 0 Ω



Actual effect



Antenna dimension drawing



Conclusion

1. According to the latest matching RF performance, all requirements are met and stable OK.
2. Please ensure that the software and hardware are completely consistent before importing the basis for subsequent production to ensure consistency.