

ANWEI commnuication Equipment Co.,Ltd

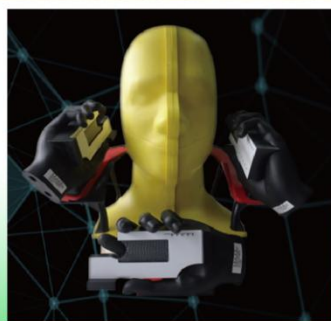
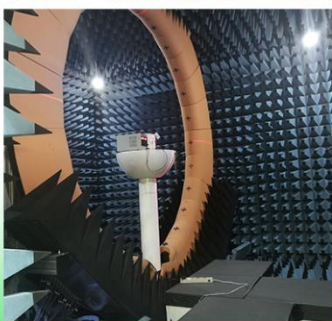
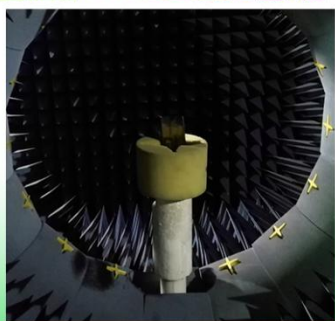
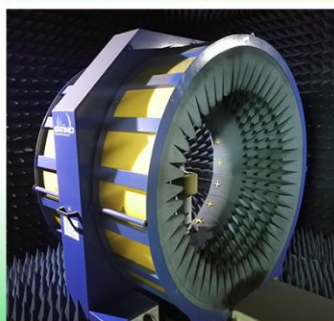
APPROVAL SHEET

Customer	Le Dai	Specs	C32PRO
Part Number	AW006-C32-021-A0	Frequency Band	GPS: L1:1575.42MHZ BT:2400~2500MHZ
Color	Black	Edition	REV:A0
Salesperson	Mr.li	Design	Zhong Zhi Hui
Structure	Qin Yun Lin	Confirm	
Date	2026/03/13	Signing Date	

Customer confirmation:

ANT Manufacturers: ANWEI commnuication Equipment Co.,Ltd
Address:2nd Floor, East Block, Building 5, Yifenghua Innovation Industrial Park, Huaning Road, Dalang Street, Longhua District, Shenzhen City, Guangdong Province

Project development environment



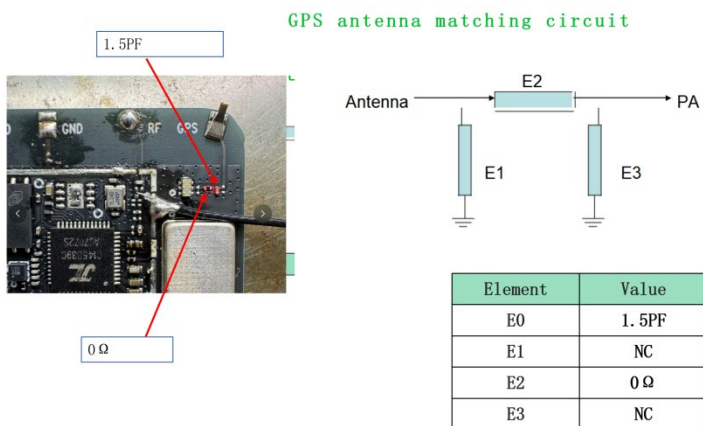
安威无线一直都是您值得信赖且优秀的合作伙伴，我们为您提供全方位一站式的的产品以及技术服务！

“质量第一，服务至上”是安威一直以来的发展宗旨

(GPS antenna)

(Working frequency band): L1:1575.42MHZ

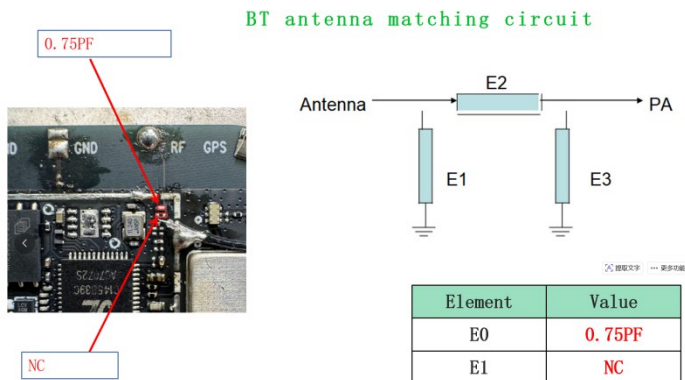
(Matcheing network):



(BT antenna)

(Working frequency band): 2400~2500MHZ

(Matcheing network):



(GPS Test)

GPS measurement effect



(BT Test)

BT test results

C32 watch	IPHONE 15PRO MAX Test
Phone call with watch facing away from phone test results	2 meters

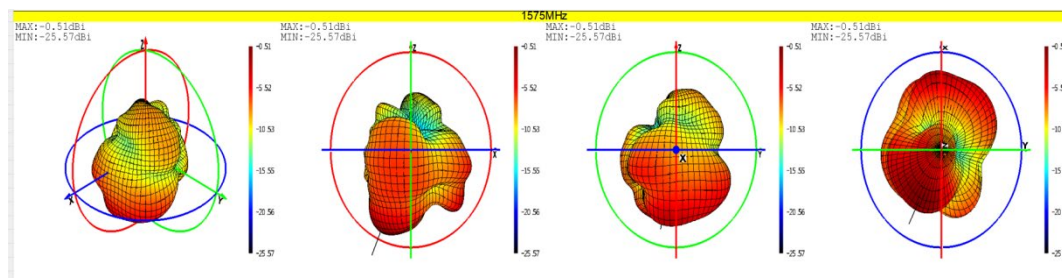
(Efficiency gain of GPS , antenna):

Frequency ID	1	2	3
Frequency (MHz)	1570	1575	1580
Gain (dBi)	-0.35	-0.51	-0.75
Efficiency (%)	14.73	14.95	14.64

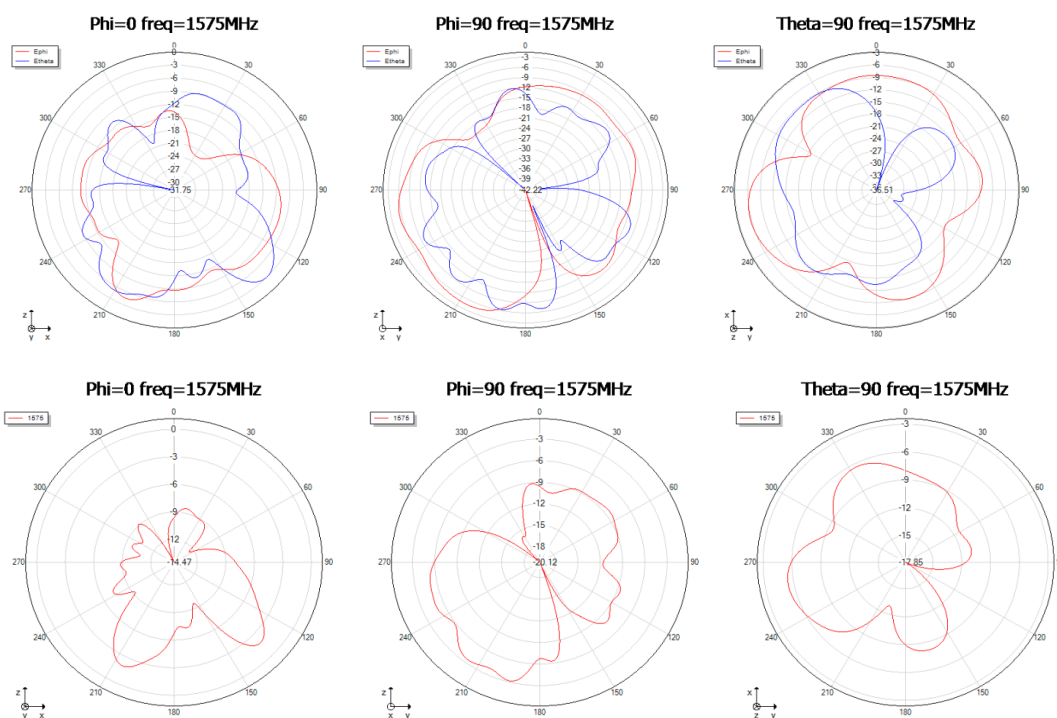
(Efficiency gain of BT , antenna):

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-4.17	-4.62	-4.71	-4.88	-5.31	-4.78	-4.89	-5.26	-4.51	-4.68	-5.05
Efficiency (%)	7.15	6.85	5.93	5.67	5.38	5.67	5.34	5.21	5.77	5.19	4.93

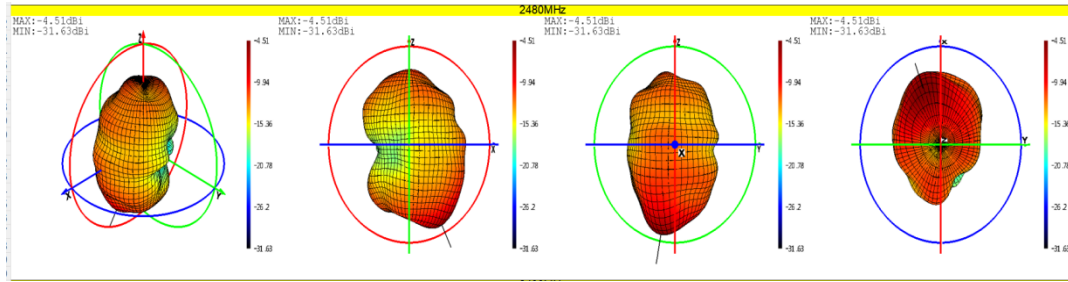
GPS antenna apple map



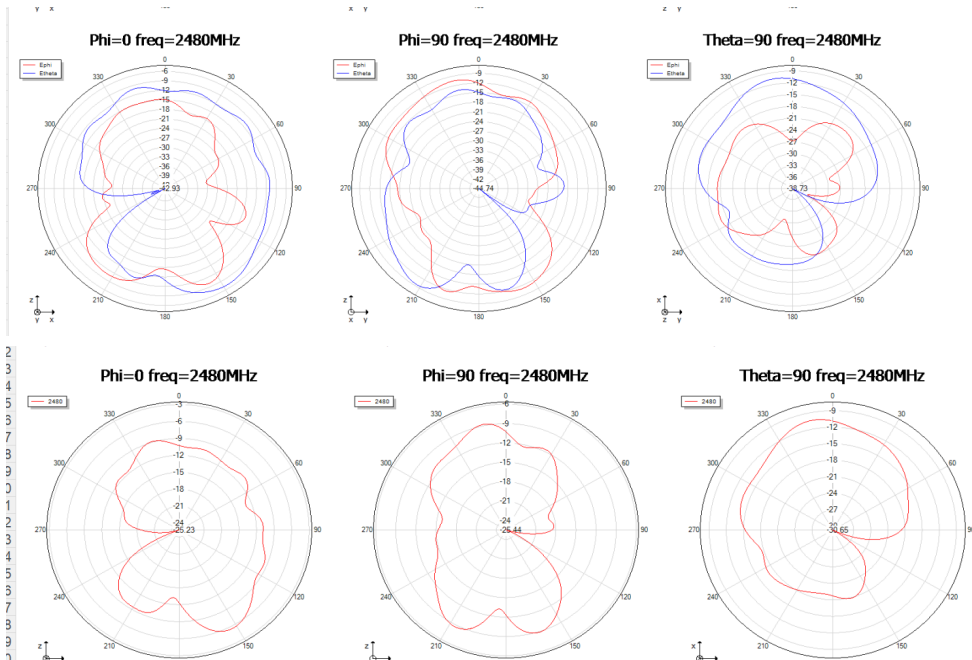
(GPS antenna) PolarGraphs/EtotalGraphs



(2.4G BT antenna) apple Map

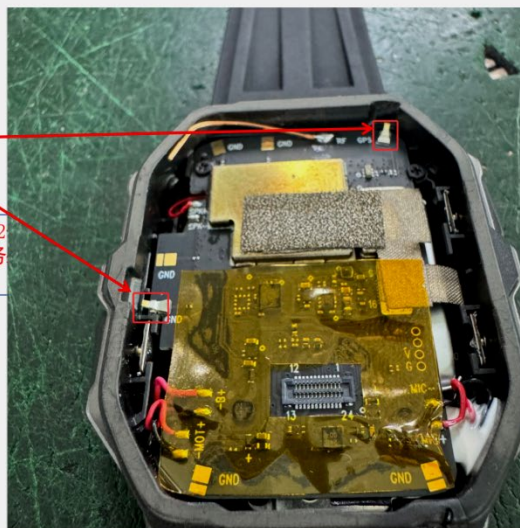


(2.4G BT Antenna) PolarGraphs/EtotalGraphs



Environmental treatment

As shown in the figure:
The motherboard uses
these two spring
contacts, and the metal
must be properly laser
engraved at these two
locations!!!



Environmental treatment

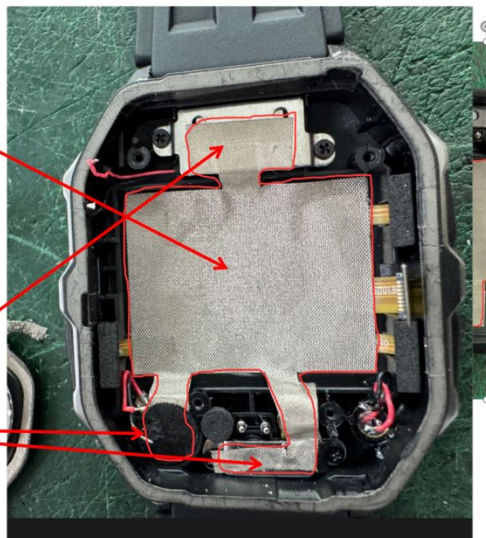
As shown in the figure:
The horn is properly
grounded by attaching
conductive sponge and a
steel plate



Environmental treatment

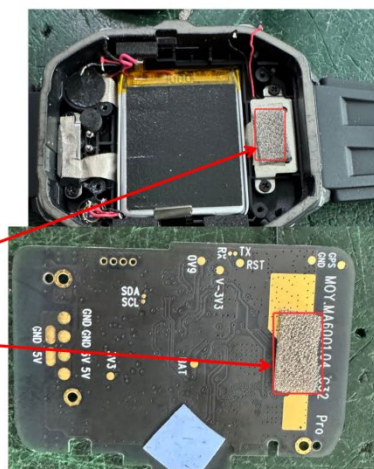
As shown in the picture, a conductive cloth should be attached here for good grounding treatment.

As shown in the figure, insulation foam should be attached to these 3 places.



Environmental treatment

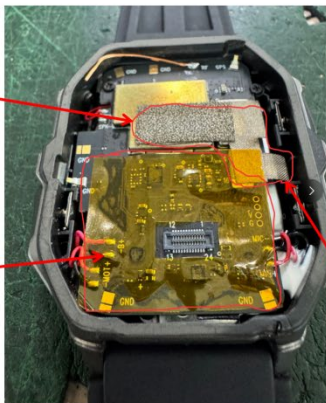
As shown in the figure: After adding exposed copper to this part of the motherboard, apply conductive foam and the horn for good grounding treatment.



Environmental treatment

As shown in the figure, a conductive sponge is attached to this part of the motherboard and the screen is well grounded.

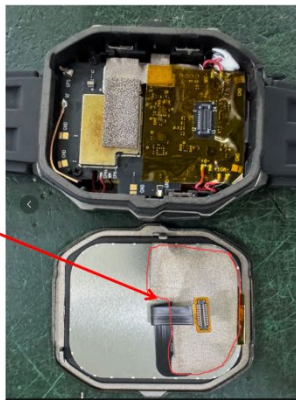
As shown in the picture: Apply high-temperature insulation tape to this part of the motherboard to prevent short circuits



As shown in the figure, a conductive cloth is applied to shield and ground the FPC cable at this location.

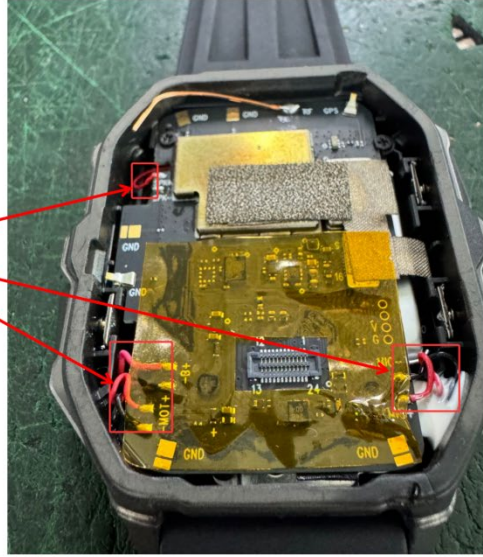
Environmental treatment

As shown in the picture, a conductive cloth is pasted here to shield and ground the screen, which improves the GPS star value.



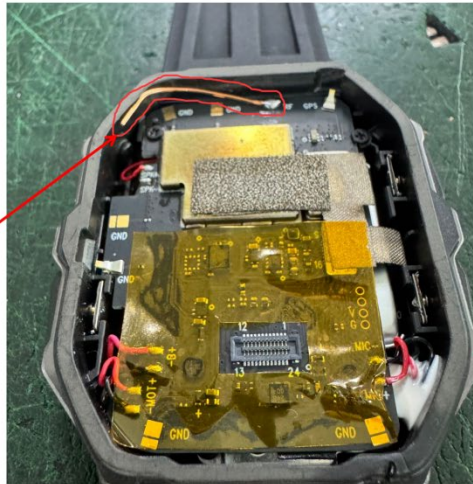
Environmental treatment

As shown in the figure: all wires are assembled into the motherboard, away from the upper antenna frame (The correct assembly method is shown in the picture)



Environmental treatment

As shown in the figure: The top of the flat shell material indicated by the arrow is assembled on a flat surface. If the BT performance is not satisfactory when installed downwards, please strictly follow the assembly as shown in the figure!!! (0.5 * 25mm hard copper wire) (The correct assembly method for BT is shown in the picture).



Size drawing

