

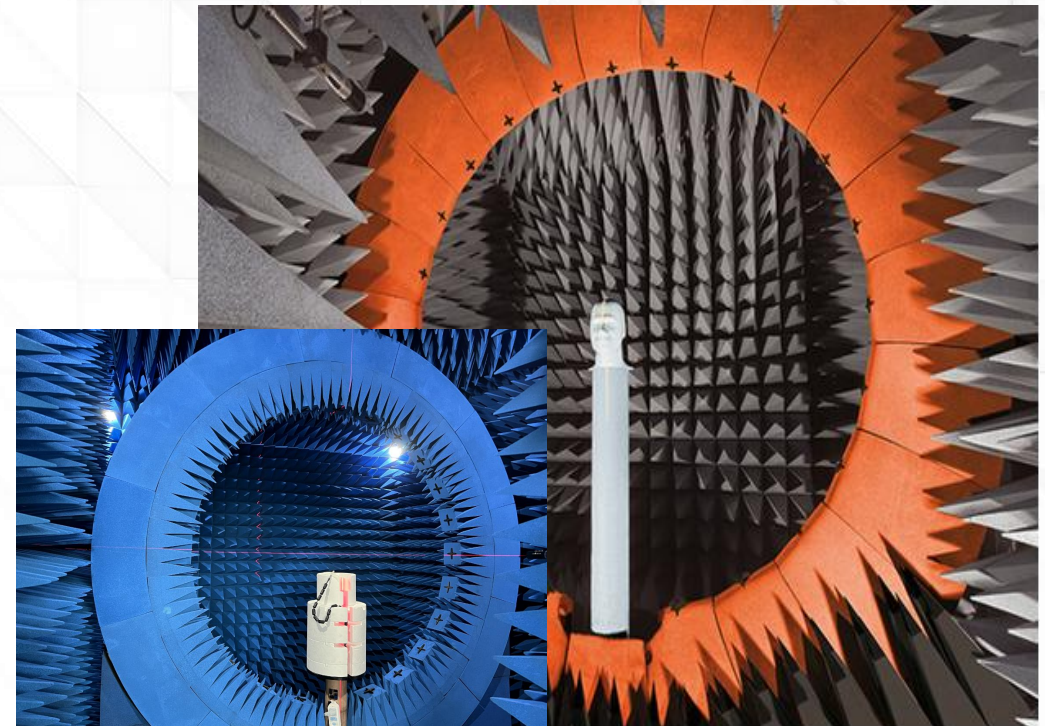
Antenna Tuning Report

Customer Name : Liedong

Project Name : T4C

Table of Contents:

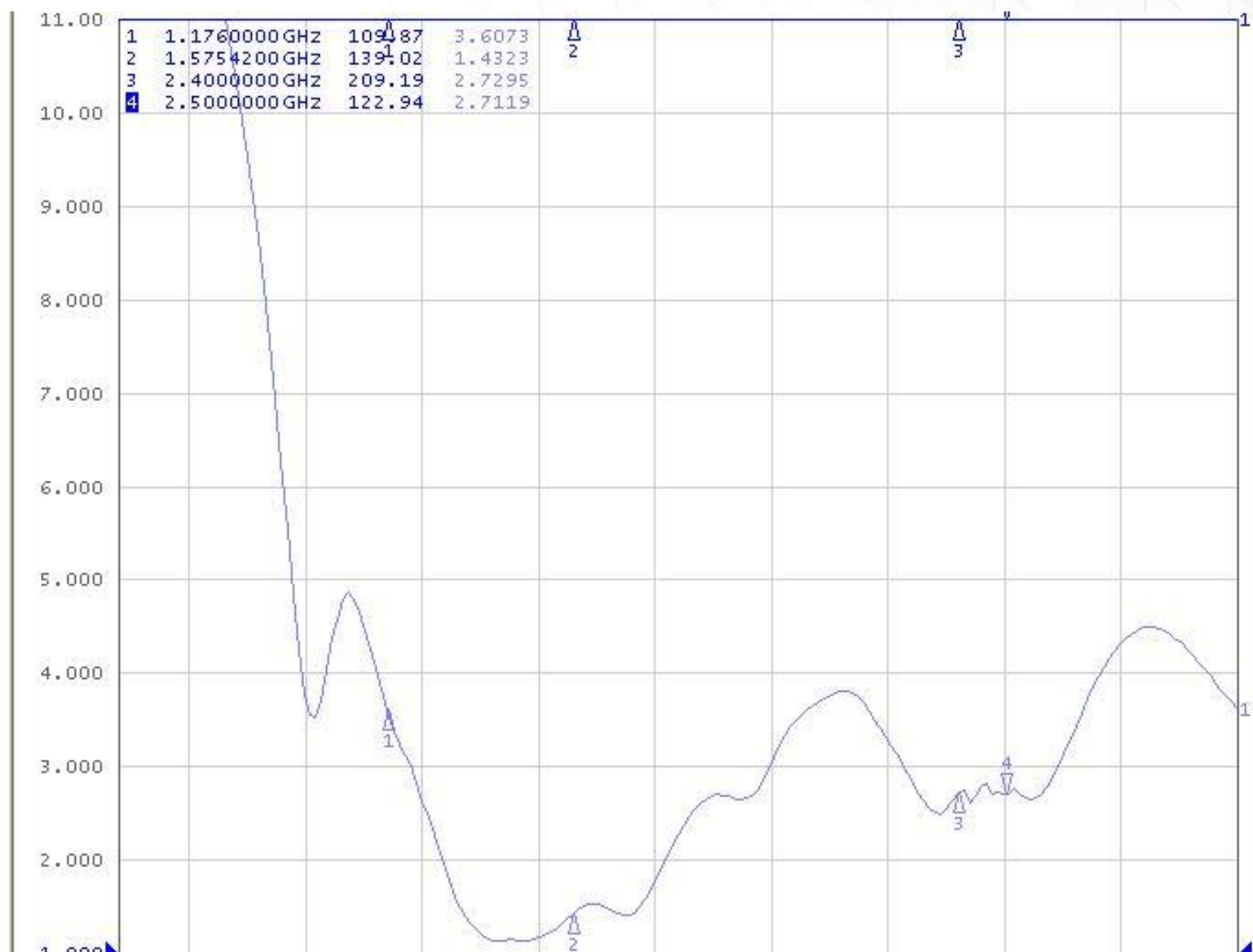
1. Project Overview
2. Report Version Records
3. Matching Circuit
4. Antenna - related Data
5. Summary



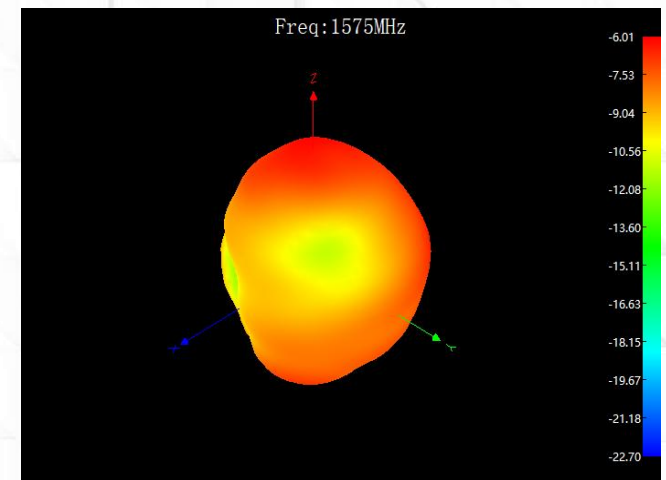
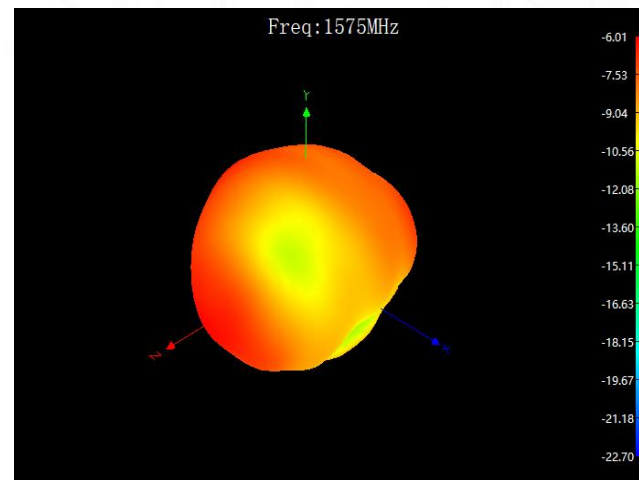
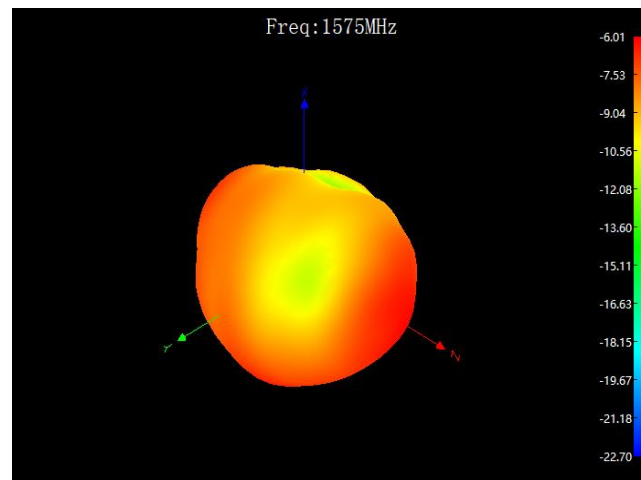
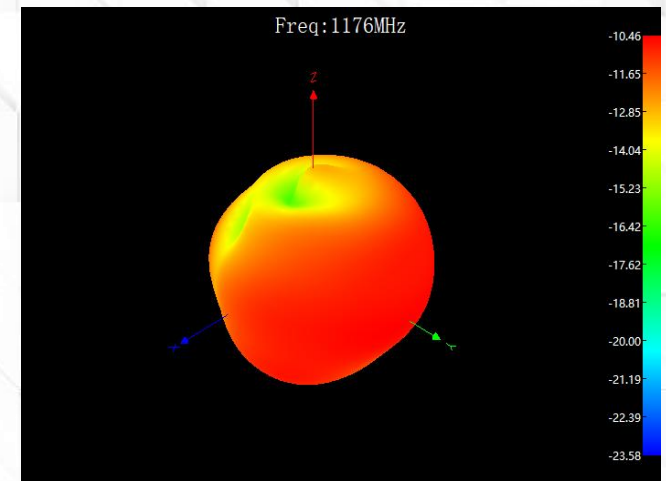
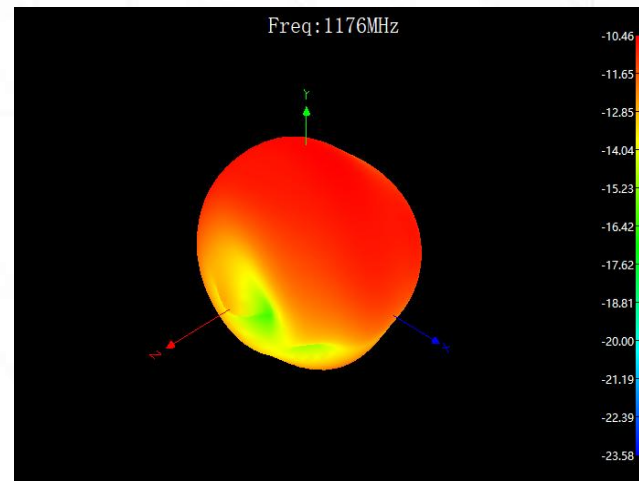
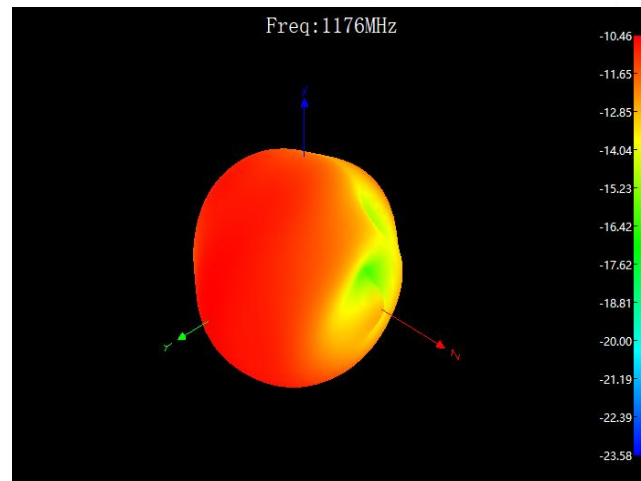
Item	Content	Project Prototype
Product Type	Smart Metal Watch	
Prototype Status	Debugging Prototype	
Antenna Version	/	
Structural Form	Metal Middle Frame	
Environmental Treatment	No Changes to the Latest Trial Production Machine	
Matching Circuit	No Changes to the Latest Trial Production Machine	

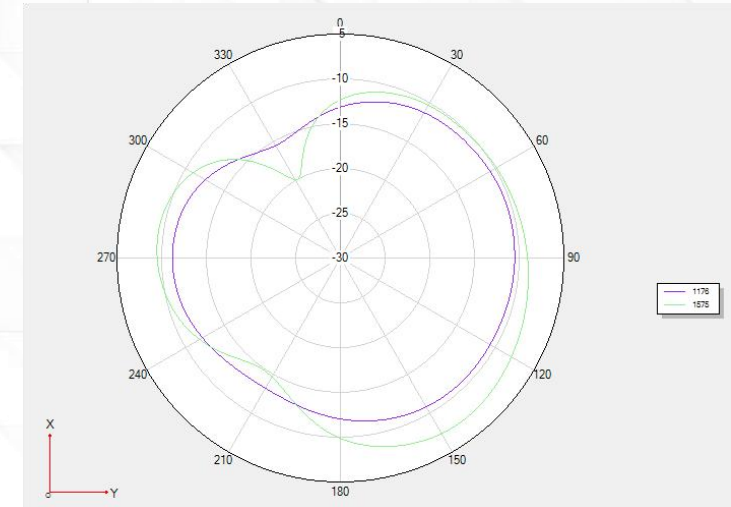
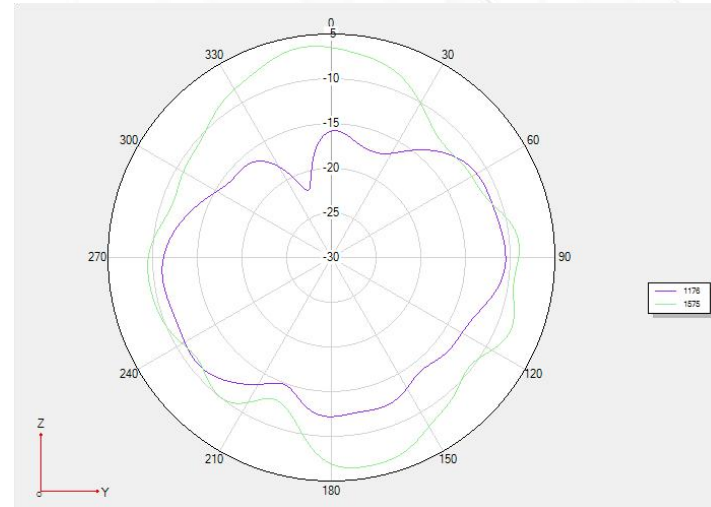
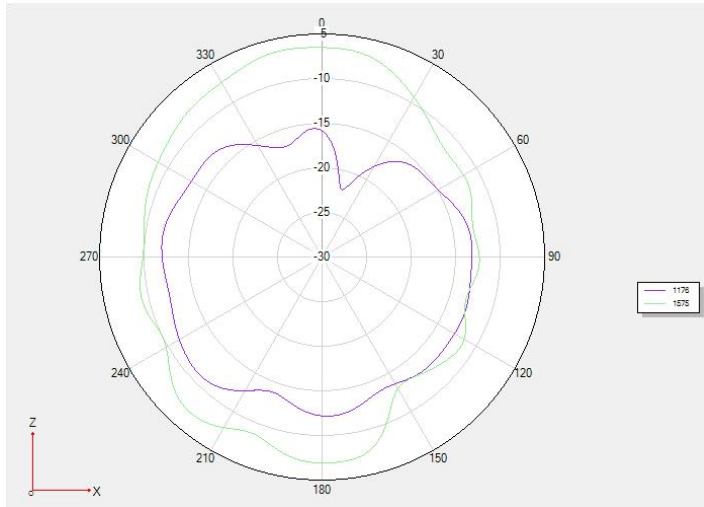
Version	Time	Update Notes
A0	2025.1 1.06	Pilot Production Machine Test Report
A1		
A2		
A3		
A4		
A5		
A6		
A7		
A8		
A9		

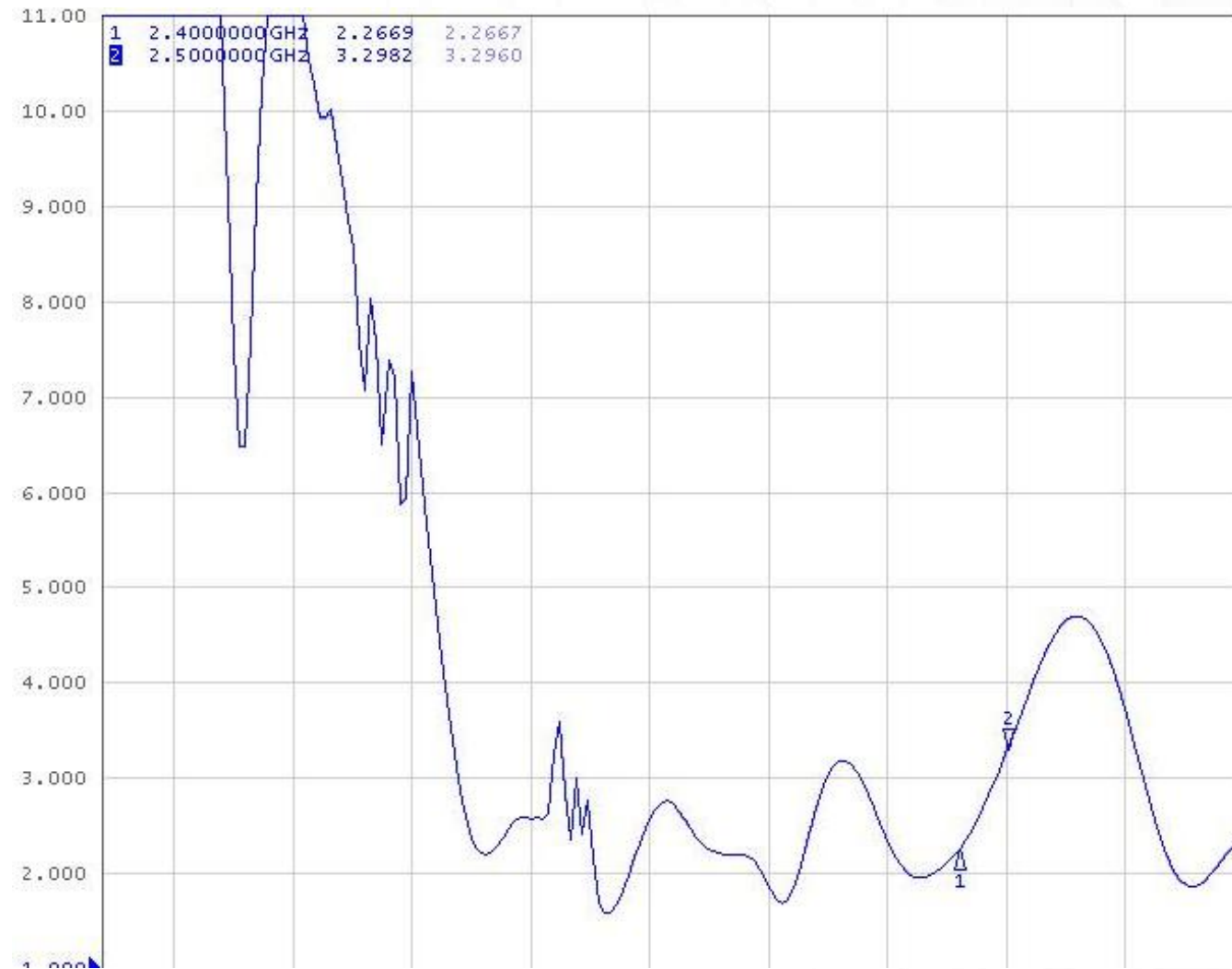
No changes have been made to the matching
of the pilot production machine



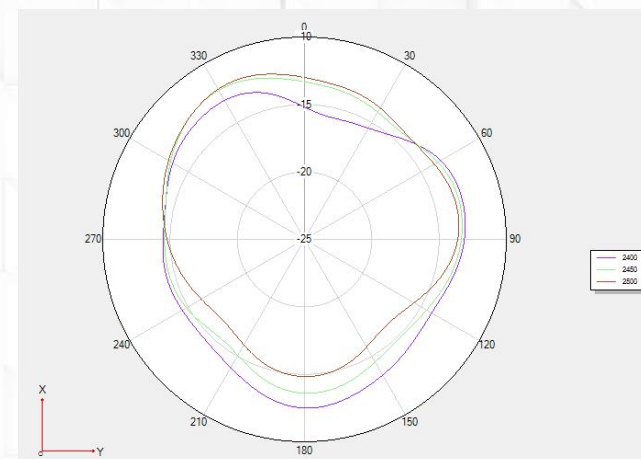
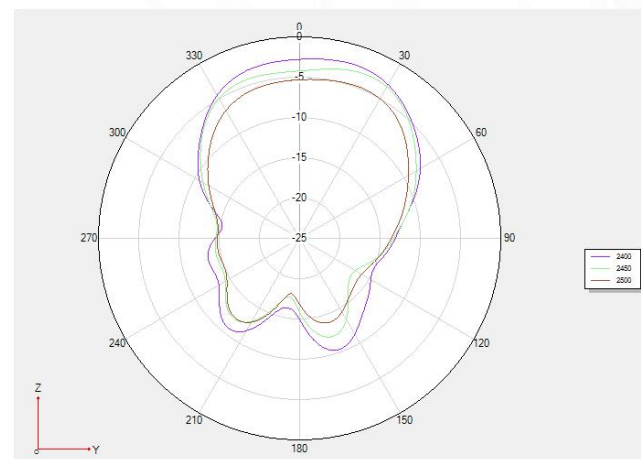
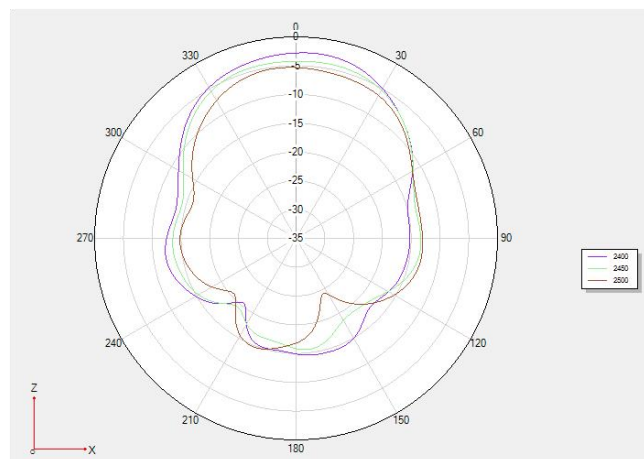
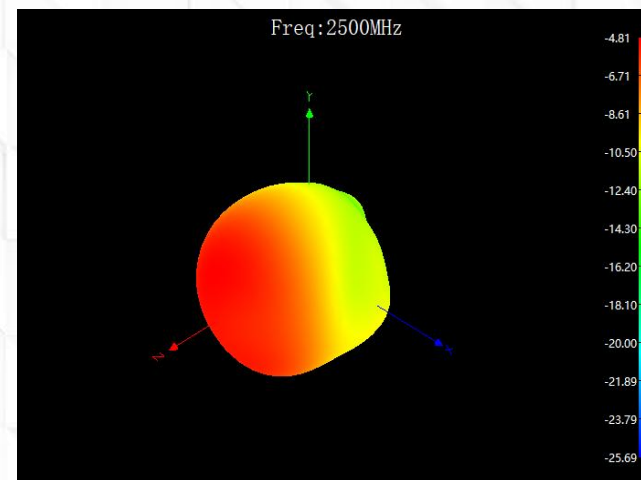
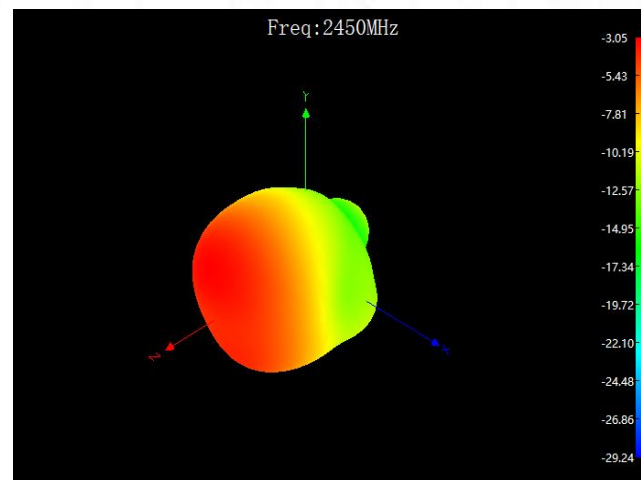
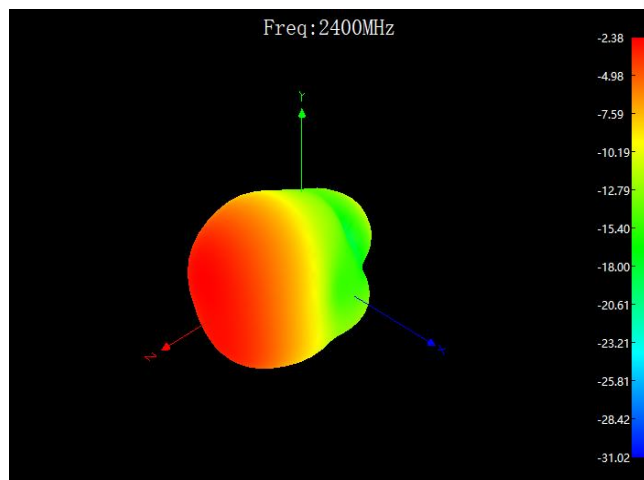
Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
1170	-13.37	4.6	-11
1171	-13.37	4.6	-10.97
1172	-13.32	4.66	-10.9
1173	-13.24	4.74	-10.8
1174	-13.14	4.85	-10.67
1175	-13.04	4.97	-10.55
1176	-12.97	5.05	-10.46
1177	-12.94	5.08	-10.41
1178	-12.94	5.08	-10.4
1179	-12.96	5.06	-10.41
1180	-12.96	5.06	-10.38
1560	-10.03	9.93	-6.39
1561	-10.03	9.93	-6.37
1562	-10.03	9.93	-6.39
1563	-10.04	9.91	-6.4
1564	-10.04	9.91	-6.41
1565	-10.04	9.91	-6.4
1566	-10.02	9.95	-6.38
1567	-9.99	10.02	-6.32
1568	-9.94	10.14	-6.25
1569	-9.88	10.28	-6.18
1570	-9.83	10.4	-6.11
1571	-9.82	10.42	-6.07
1572	-9.81	10.45	-6.05
1573	-9.83	10.4	-6.04
1574	-9.85	10.35	-6.03
1575	-9.86	10.33	-6.01
1576	-9.85	10.35	-5.97
1577	-9.84	10.38	-5.91
1578	-9.81	10.45	-5.85
1579	-9.79	10.5	-5.79
1580	-9.78	10.52	-5.74

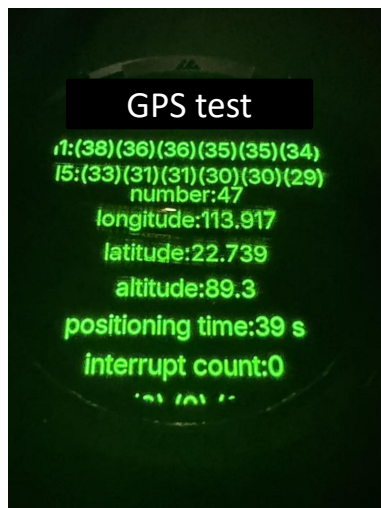




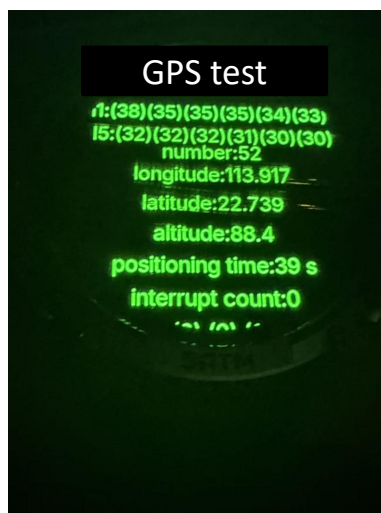


Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-10.33	9.27	-2.38
2410	-10.4	9.12	-2.45
2420	-10.61	8.69	-2.67
2430	-10.62	8.67	-2.63
2440	-10.71	8.49	-2.86
2450	-10.96	8.02	-3.05
2460	-11.11	7.74	-3.34
2470	-11.2	7.59	-3.48
2480	-11.53	7.03	-4.1
2490	-11.72	6.73	-4.37
2500	-11.85	6.53	-4.81

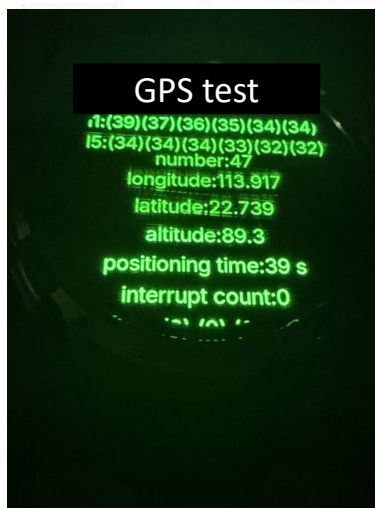




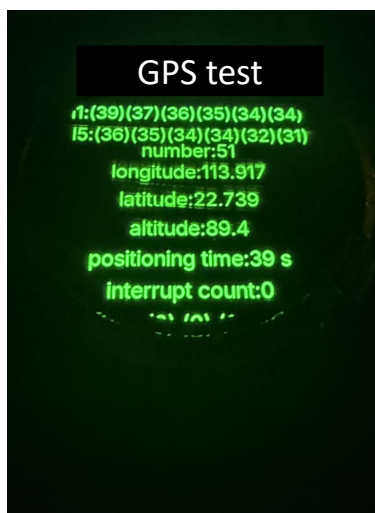
Due East



Due West



Due South



Due North

GPS test
r1:(37)(36)(36)(36)(34)(34)
l5:(32)(32)(31)(31)(29)(29)
number:26
longitude:113.917
latitude:22.739
altitude:75.0
positioning time:35 s
interrupt count:0

Due East

GPS test
r1:(36)(35)(35)(35)(35)(35)
l5:(35)(35)(34)(32)(30)(29)
number:44
longitude:113.917
latitude:22.739
altitude:90.4
positioning time:35 s
interrupt count:0

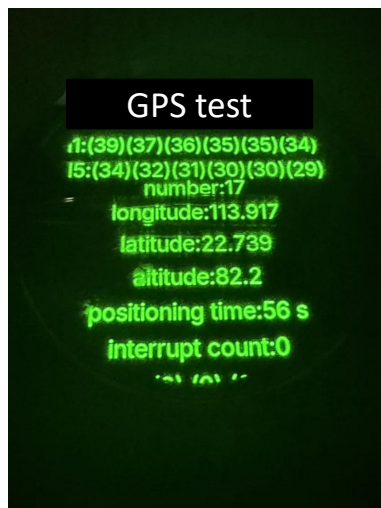
Due West

GPS test
r1:(37)(37)(35)(35)(35)(34)
l5:(33)(32)(31)(31)(30)(30)
number:28
longitude:113.917
latitude:22.739
altitude:72.2
positioning time:35 s
interrupt count:0

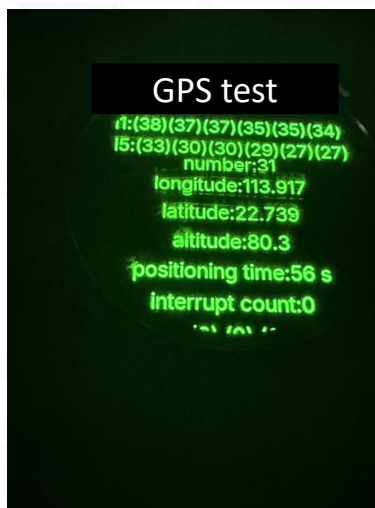
Due South

GPS test
r1:(37)(37)(36)(35)(35)(35)
l5:(35)(32)(32)(32)(31)(31)
number:44
longitude:113.917
latitude:22.739
altitude:95.3
positioning time:35 s
interrupt count:0

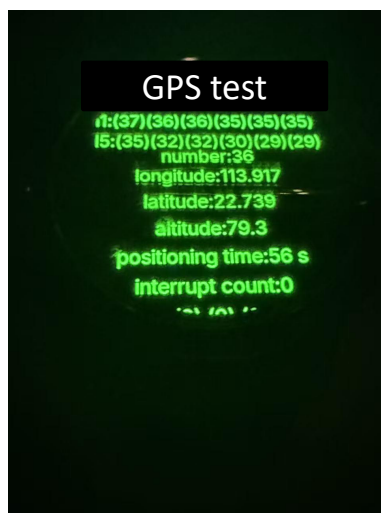
Due North



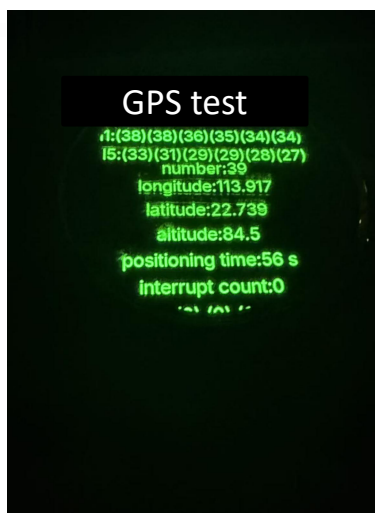
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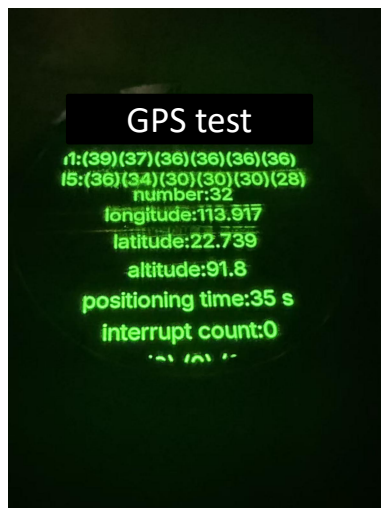
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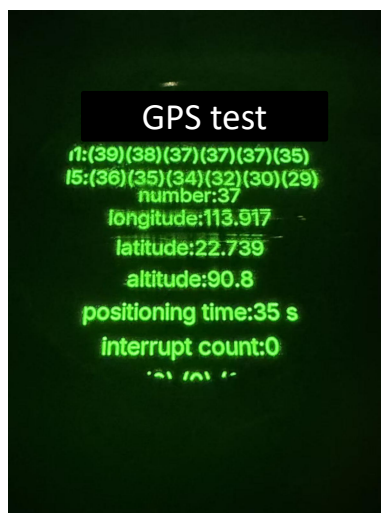
Due West



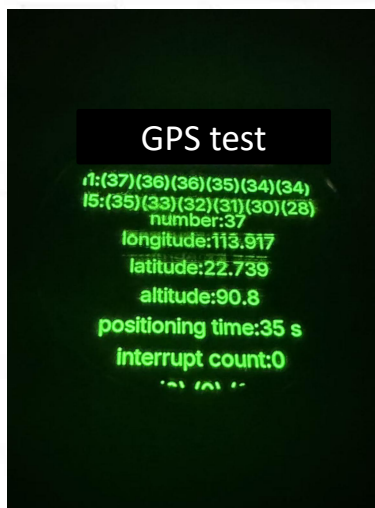
Due North



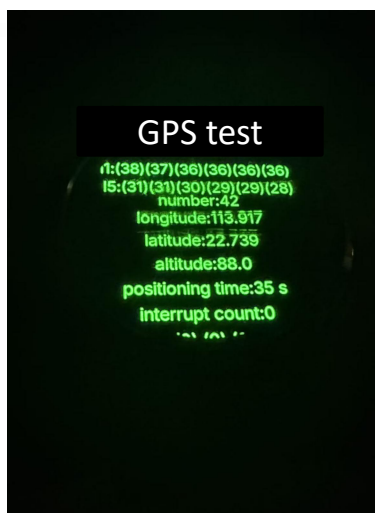
Due East



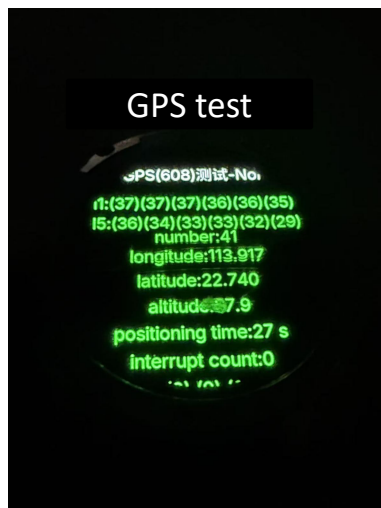
Due West



Due South



Due North



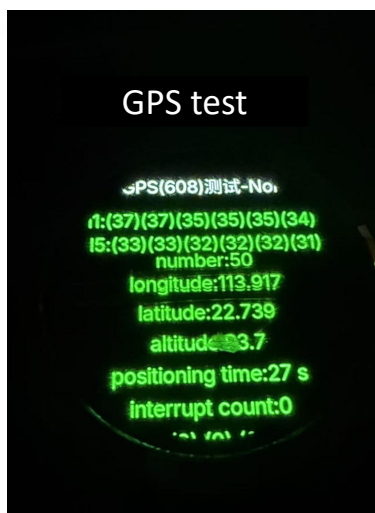
Due East



Due West



Due South



Due North

Measurement	Band	Channel	1#	2#	3#	4#	5#
TRP	BLUETOOTH(DH1)	0	-4.24	-3.67	-5.69	-5.08	-2.87
TRP	BLUETOOTH(DH1)	39	-4.11	-4.09	-5.3	-4.04	-3.1
TRP	BLUETOOTH(DH1)	78	-3.3	-3.82	-4.26	-3.57	-3.81
TIS(EIRP)	BLUETOOTH(DH1)	78	-79.09	-80.6	-79.07	-79.75	-80.17

1. The above is the T4C Pilot Production Machine Test Report
2. Test data is qualified
3. The buttons shall be fixed firmly, and the flat cable of the heart rate board shall be closely attached to the main board for fixation
4. It is necessary to control the impedance of the conductive fabric added to the key flat cable and the speaker grounding position

Antenna picture



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