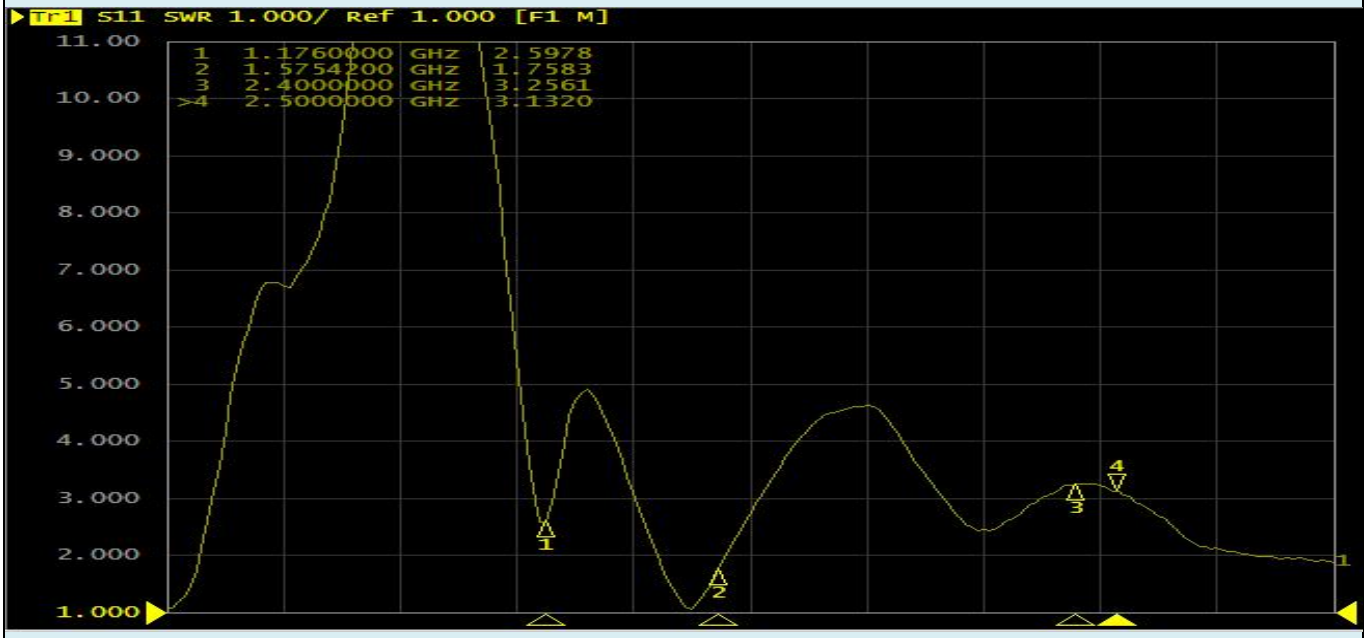
深圳市昱晟通讯设备有限公司
Yusheng Communications-equipment Co.,LTD

EWR01 Antenna Report

Antenna manufacturername	Shenzhen Yusheng CommunicationEquipmentCo., Ltd
Antenna manufactureraddres	407-411, 4th Floor, Building 2, South Taiyun ChuangguPark, southeastof the intersection of GuangmingAvenue and DongchangRoad, GuangmingDistrict, Shenzhen
ANT TYPE	Monopole Antenna
ANT NAME	

Passive map of GPS L1/L5



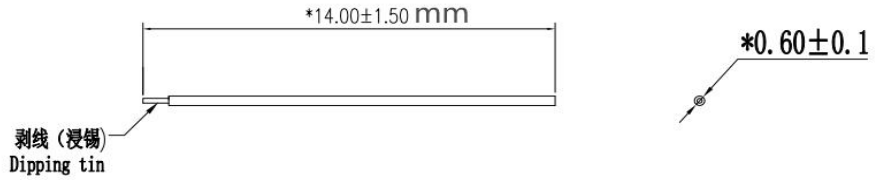
Test situation of antenna efficiency parameters

	frequency	efficiency %	efficiency/db	Gain/dBi
GPS L1 Arm	1560	8.0%	-11.0	-3.5
	1565	8.8%	-10.6	-3.3
	1570	9.5%	-10.2	-3.0
	1575	10.1%	-10.0	-2.8
	1580	10.4%	-9.8	-2.7
	1585	9.4%	-10.3	-3.0
	1590	8.7%	-10.6	-3.4

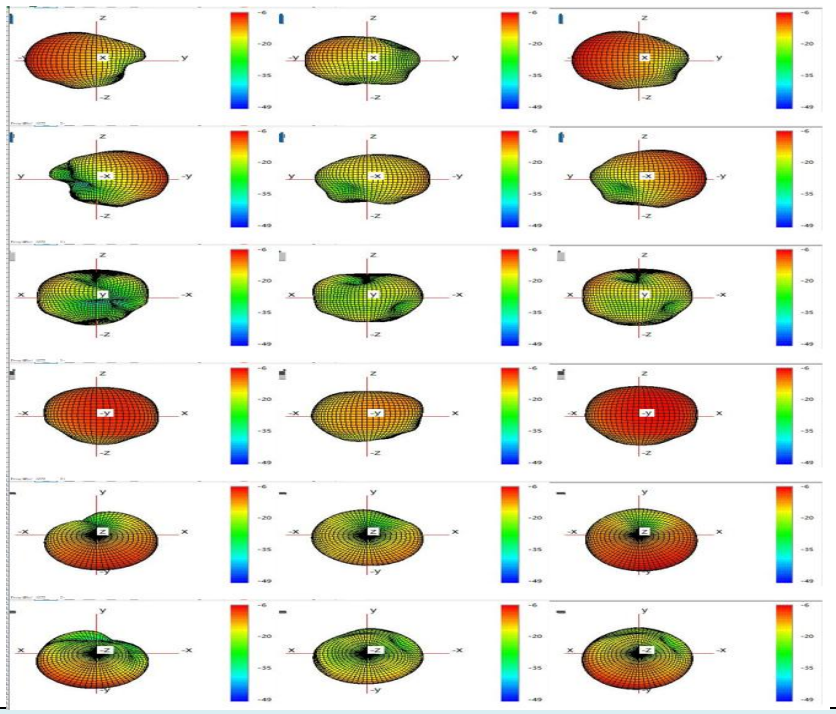
	frequency	efficiency %	efficiency/db	Gain/dBi
GPS L5 Arm	1160	3.2%	-14.9	-6.2
	1165	3.7%	-14.3	-5.7
	1170	4.1%	-13.9	-5.4
	1176	4.5%	-13.5	-5.2
	1180	4.0%	-14.0	-5.5
	1185	3.6%	-14.4	-5.9
	1190	3.3%	-14.8	-6.1

	frequency	efficiency %	efficiency/db	Gain/dBi
BT Arm	2400	4.1%	-13.9	-5.6
	2410	4.7%	-13.3	-5.2
	2420	5.2%	-12.8	-4.9
	2430	5.6%	-12.5	-4.3
	2440	6.2%	-12.1	-4.5
	2450	5.3%	-12.8	-4.1
	2460	4.8%	-13.2	-5.0
	2470	4.4%	-13.6	-5.7
	2480	4.0%	-14.0	-5.9

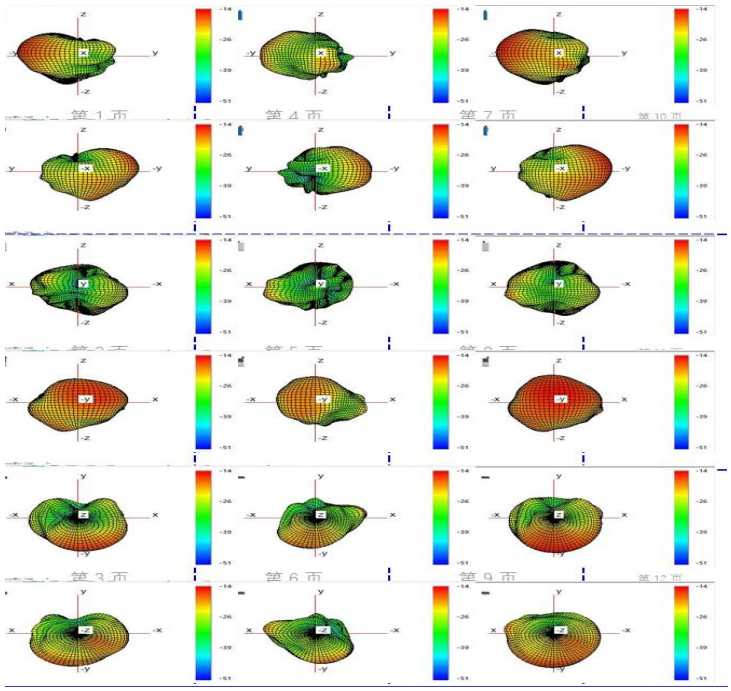
Antenna SIZE



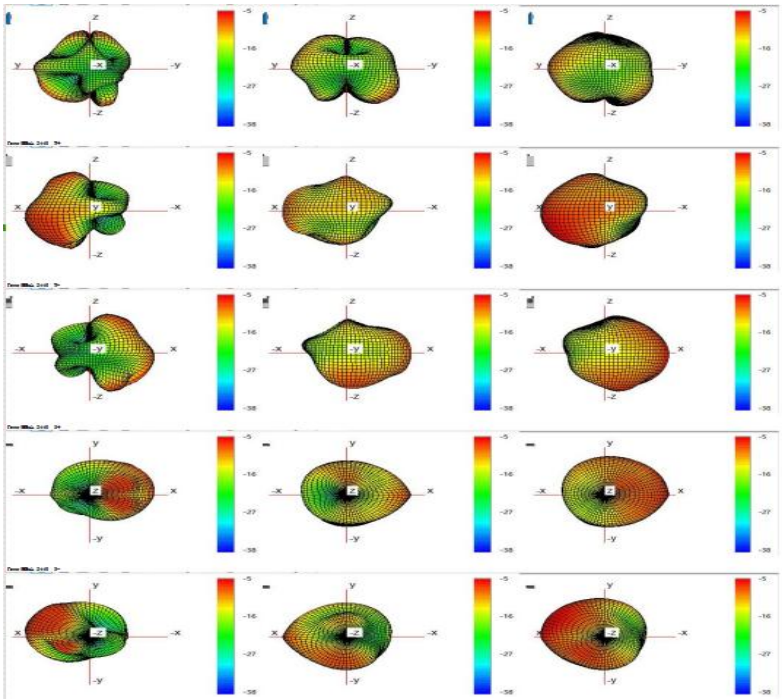
GPS L1 passive pattern/field pattern



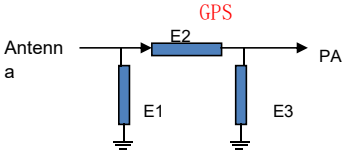
GPS L5 passive direction map/field pattern map



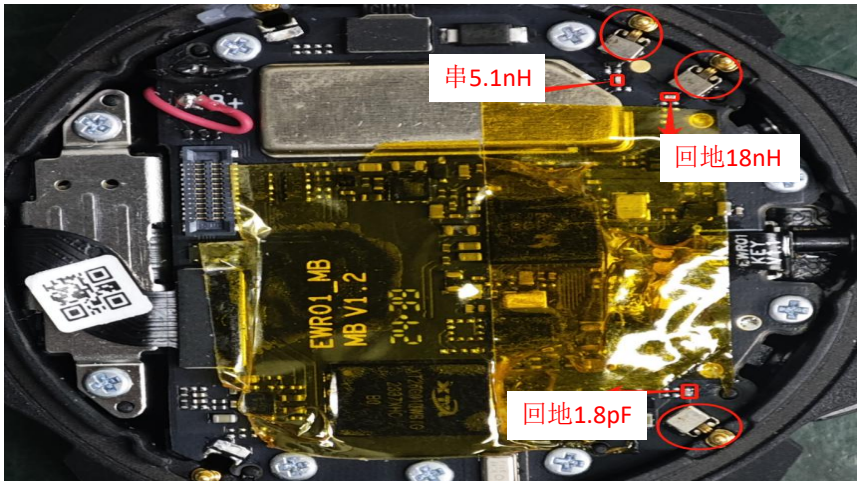
BT passive pattern/field pattern



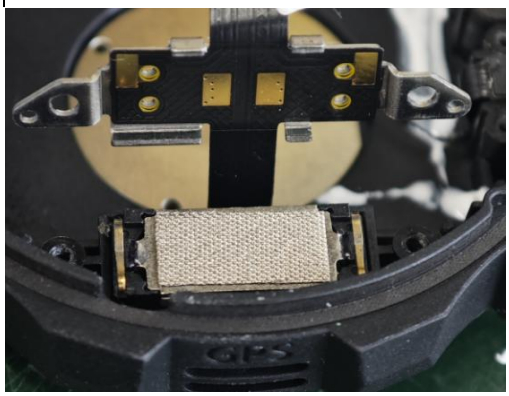
GPS L1/L5/BT matching

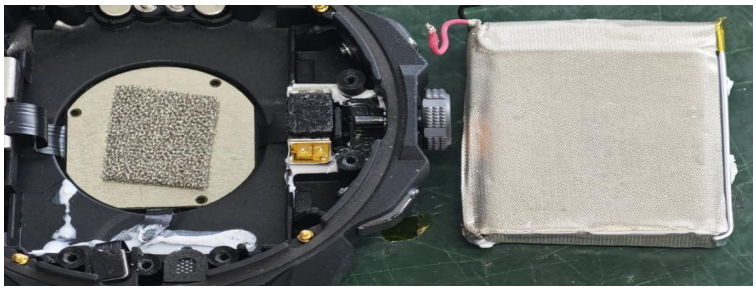


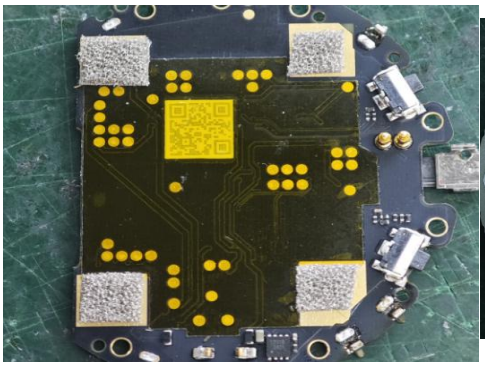
Element	Value
E1(0201)	N/A
E2(0201)	5.1nH
E3(0201)	N/A

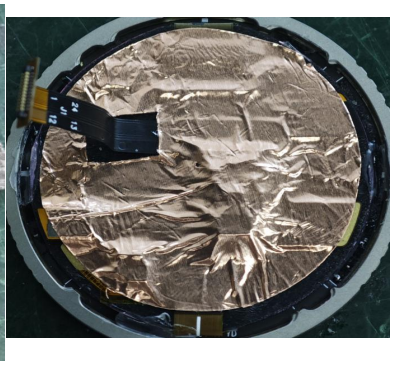


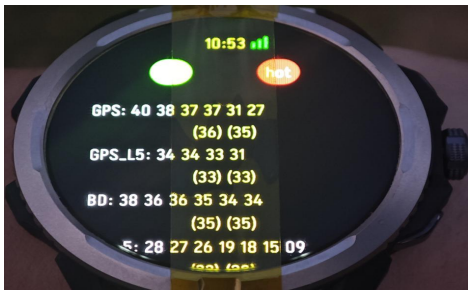
Environmental treatment









Antenna test environment

Test of the N-value of the entire machine