



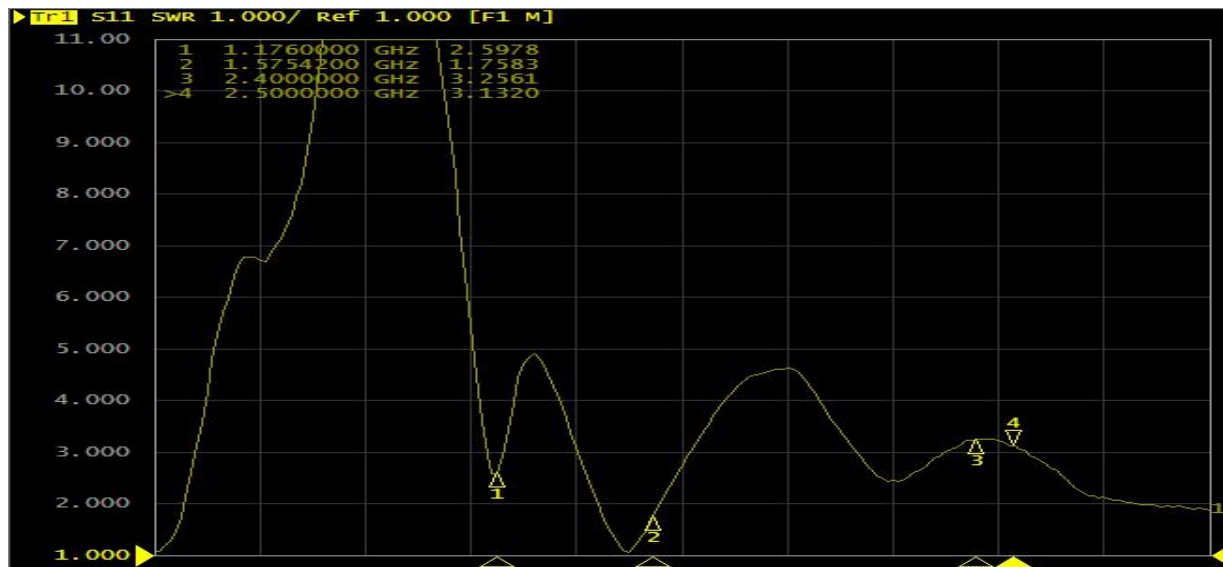
深圳市昱晟通讯设备有限公司

Yusheng Communications-equipment Co.,LTD

EWR01 Antenna Report

Antenna manufacturername	Shenzhen Yusheng CommunicationEquipmentCo., Ltd
Antenna manufactureraddress	407-411, 4th Floor, Building 2, South Taiyun ChuangguPark, southeastof the intersection of
ANT TYPE	Composite antenna
ANT NAME	EWR01

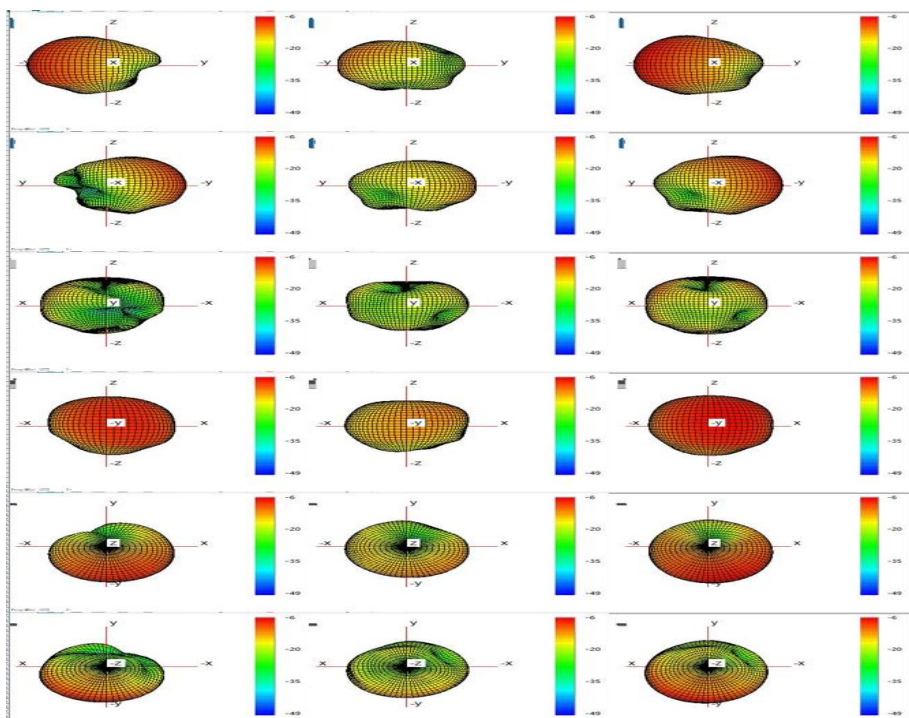
GPS L1/L5无源图



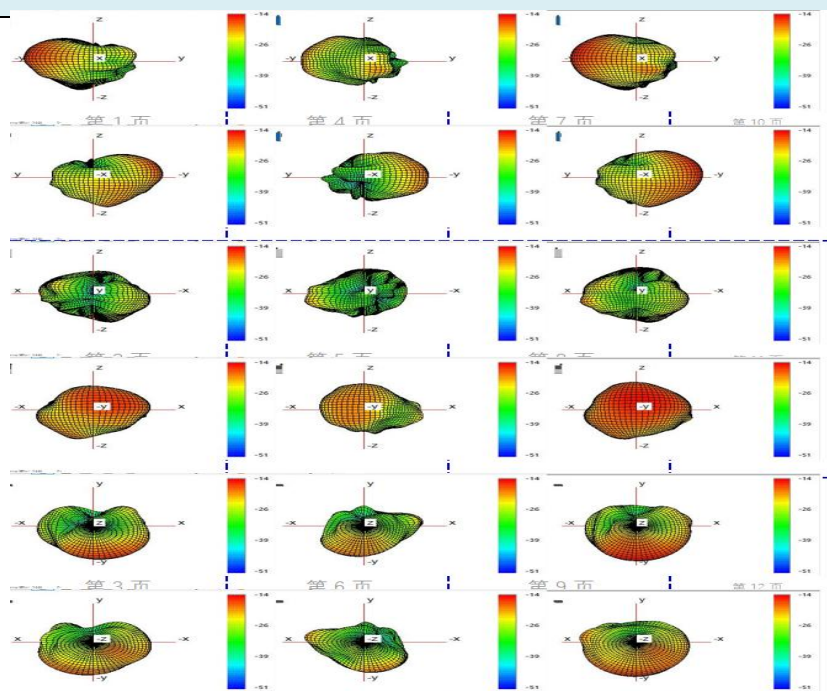
Test of antenna efficiency parameters

	frequency point	efficiency%	efficiency/dB	gain/dBi		frequency point	efficiency%	efficiency/dB	gain/dBi
GPS L1 Arm	1560	8.0%	-11.0	-3.5	GPS L5 Arm	1160	3.2%	-14.9	-6.2
	1565	8.8%	-10.6	-3.3		1165	3.7%	-14.3	-5.7
	1570	9.5%	-10.2	-3.0		1170	4.1%	-13.9	-5.4
	1575	10.1%	-10.0	-2.8		1176	4.5%	-13.5	-5.2
	1580	10.4%	-9.8	-2.7		1180	4.0%	-14.0	-5.5
	1585	9.4%	-10.3	-3.0		1185	3.6%	-14.4	-5.9
	1590	8.7%	-10.6	-3.4		1190	3.3%	-14.8	-6.1
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					

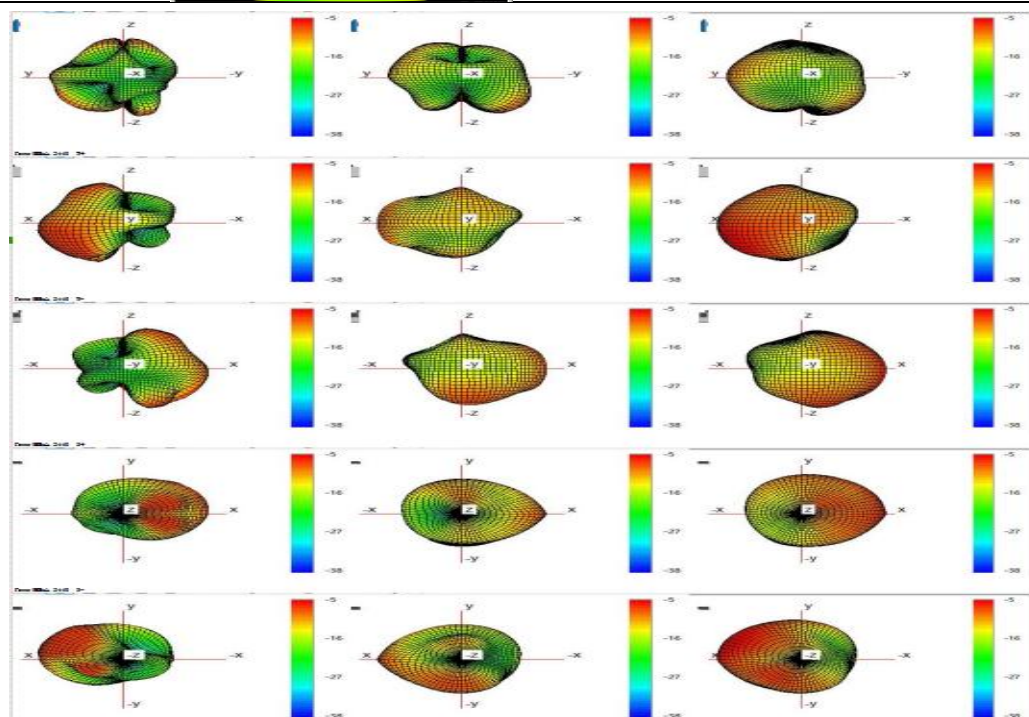
GPS L1 passive direction diagram/field pattern diagram



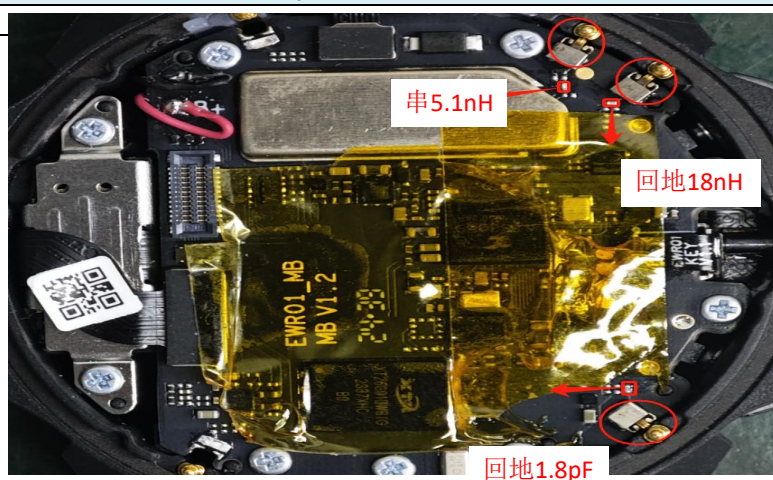
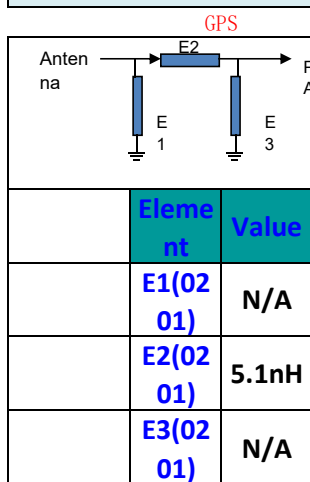
GPS L5 passive direction diagram/field pattern diagram



BT passive direction diagram/field pattern diagram



GPS L1/L5/BT匹配

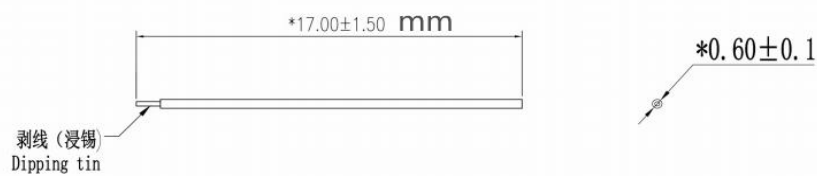
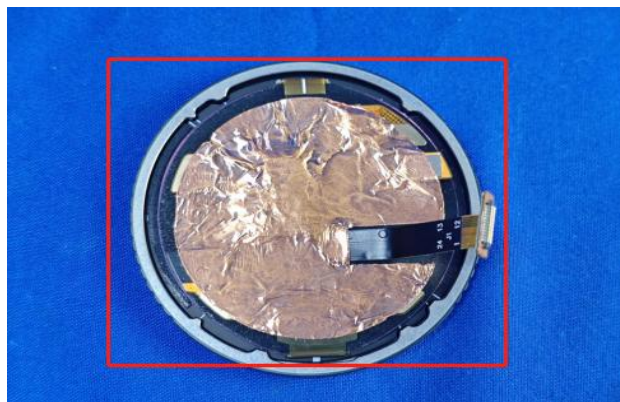




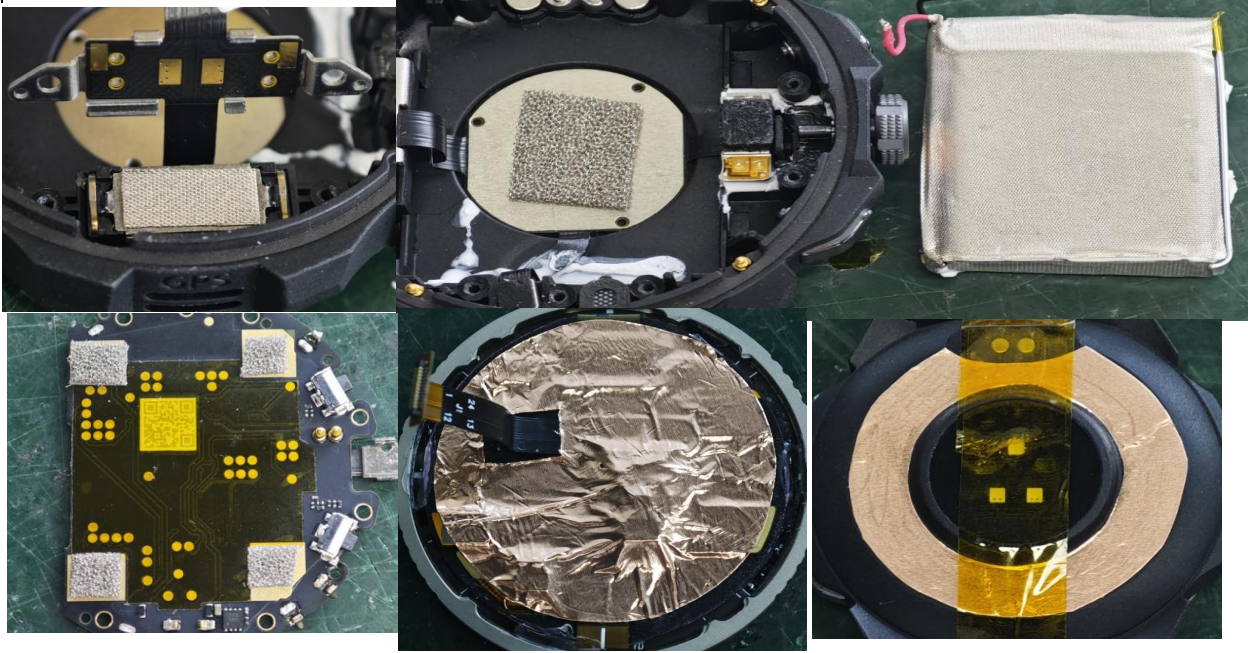
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Antenna
size

44.1mm



Environmental treatment



Antenna test environment



N value test of the whole machine



总结

1, 1 o'clock feed series 5.1nH, 2 o'clock feed ground 18nH, 5 o'clock feed ground 1.8pF,