

猎声电子智能手表天线增益报告

GPS L1/L5:

支持频段: 1176.45MHz (L5) 、 1575.42MHz (L1)

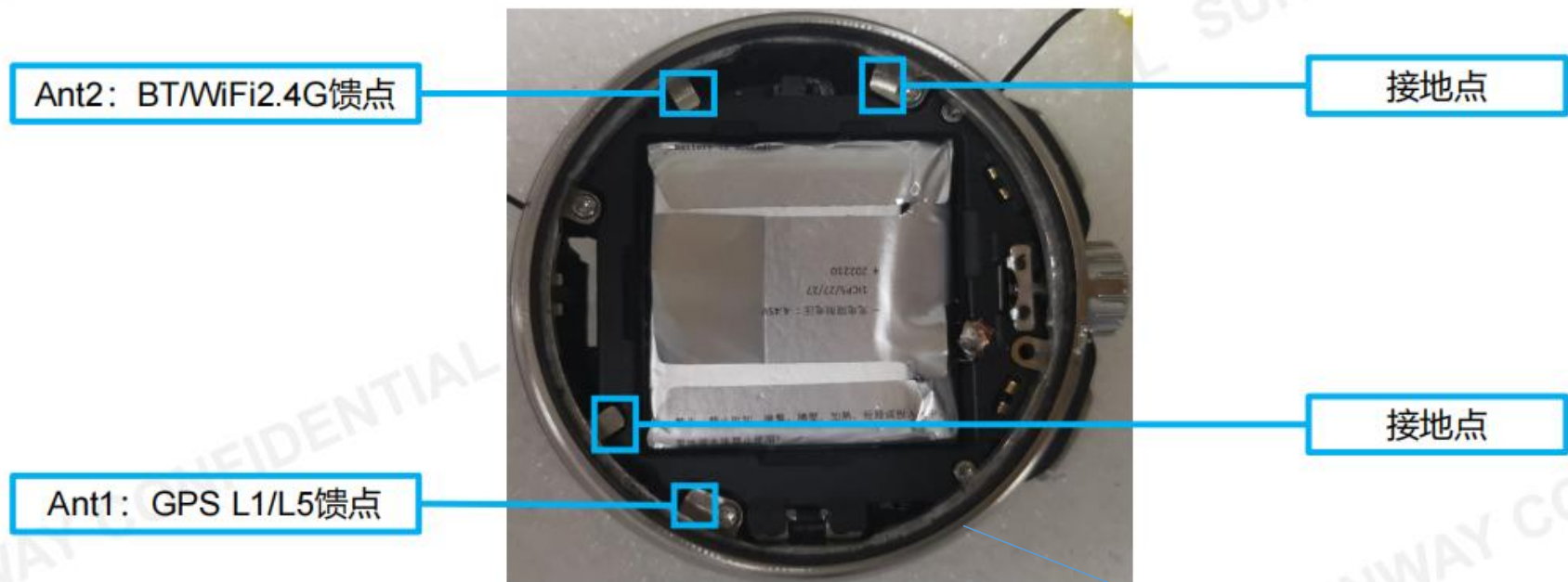
BT/WiFi 2.4G:

支持频段: 2400-2500MHz

● 天线数量及工作频段:

- Ant1: 1176.45MHz、1575.42MHz;
- Ant2: 2400-2500MHz;

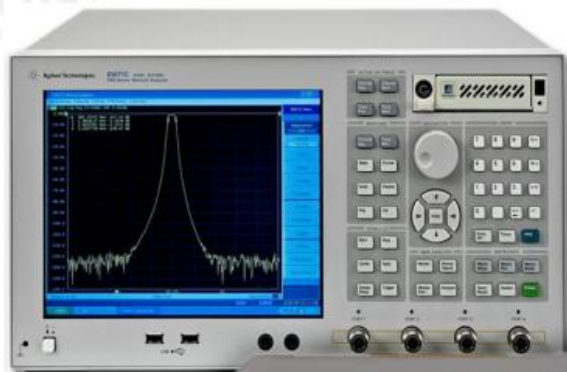
● 各天线分布如图所示:



天线类型: 金属边框天线

边框天线

调测设备：网络分析仪5071C+SATIMO暗室；

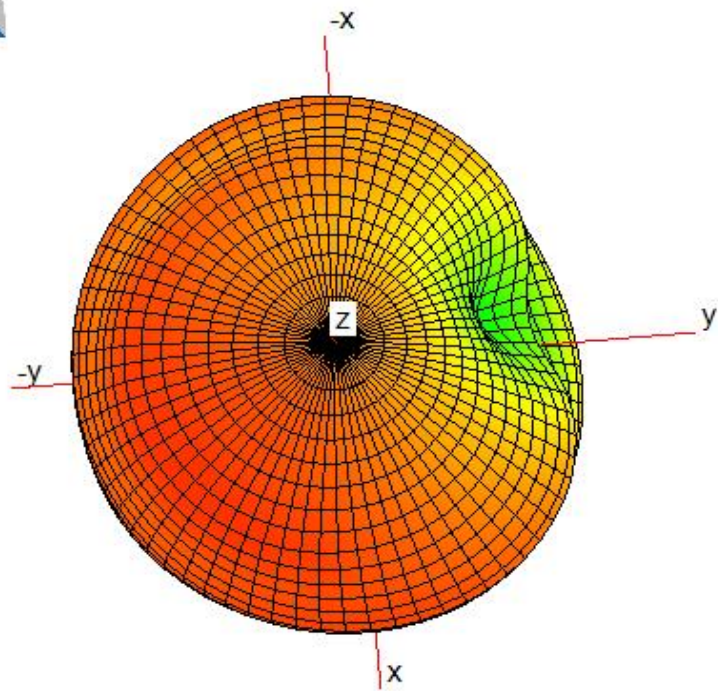


Agilent 网络分析仪E5071C

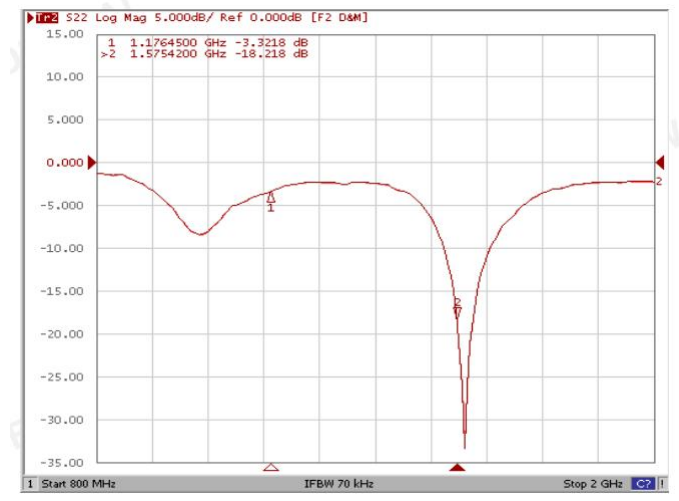


SATIMO

GPS增益图

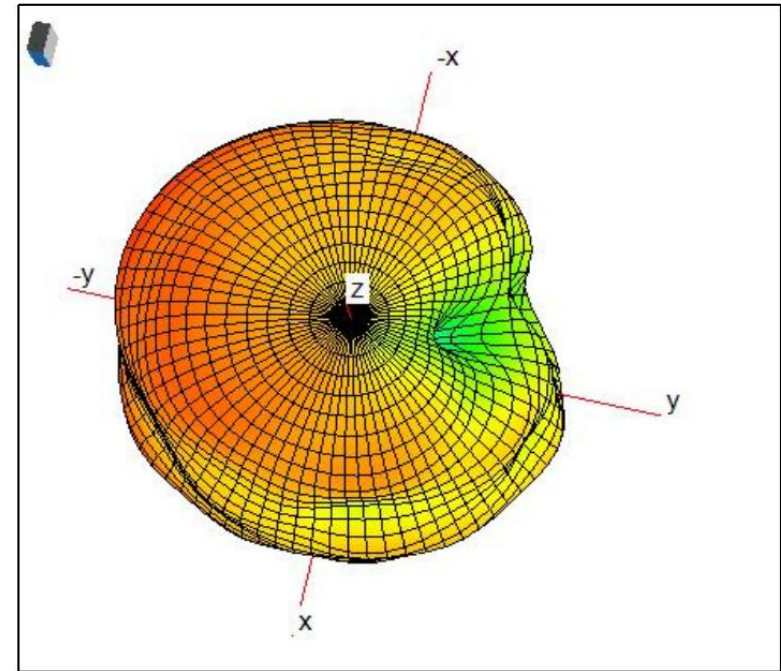
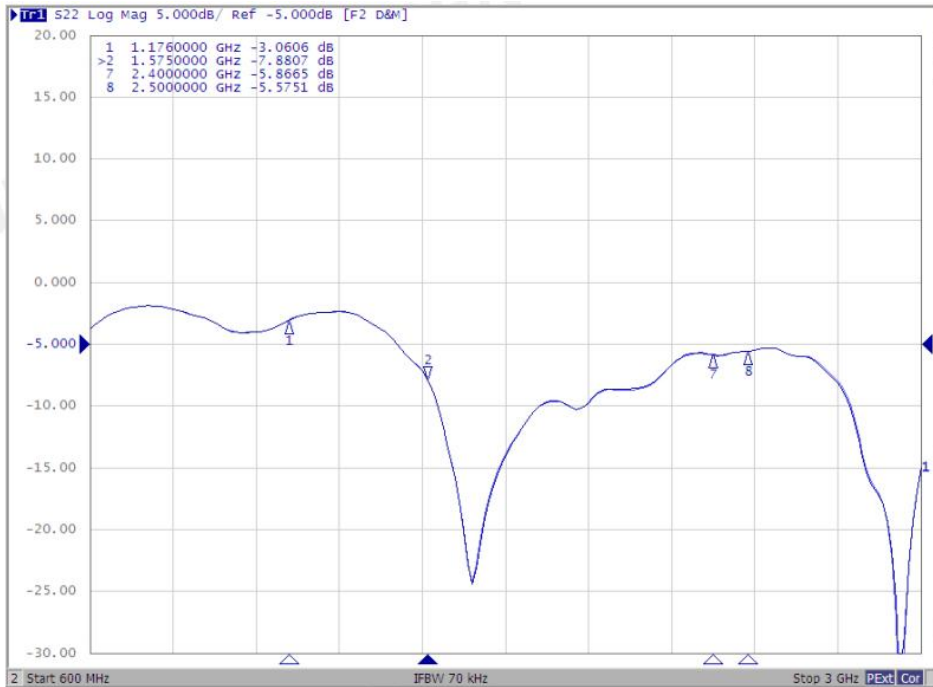


GPS			
Freq	Efficiency_dB	Gain	
1160	-12.11	-8.05	
1165	-12.16	-8.22	
1170	-12.24	-8.38	
1175	-12.37	-8.54	
1180	-12.56	-8.7	
1185	-12.75	-8.78	
1190	-12.86	-8.82	
1560	-10.72	-5.15	
1565	-10.64	-5.18	
1570	-10.57	-5.18	
1575	-10.48	-5.21	
1580	-10.37	-5.27	
1585	10.27	-5.3	
1590	-10.19	-5.34	



WIFI/BT:

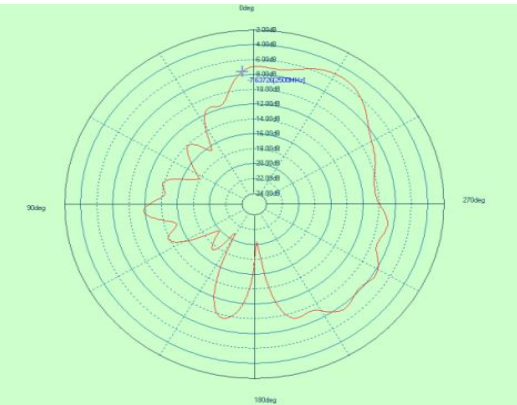
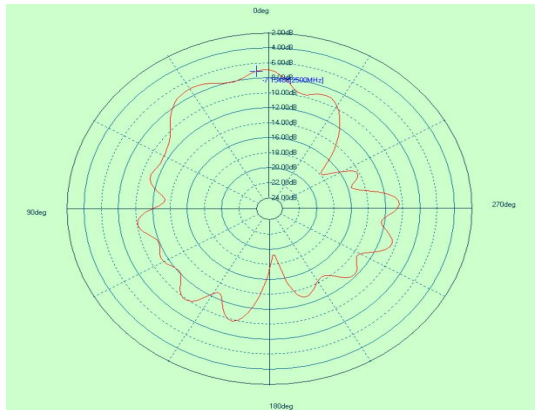
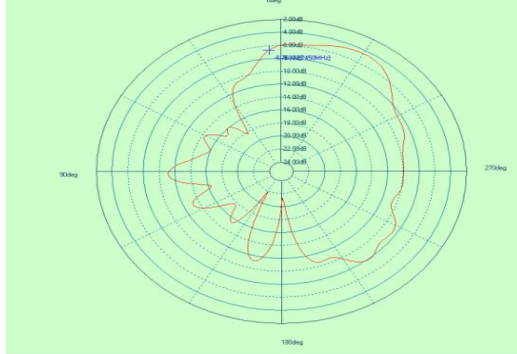
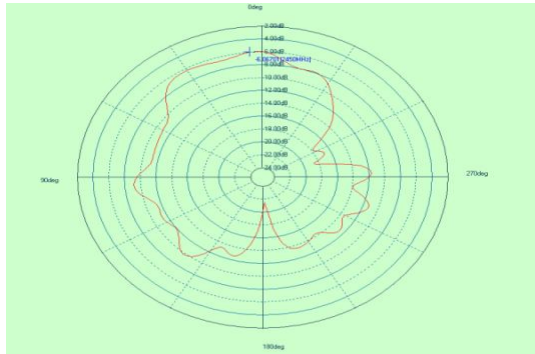
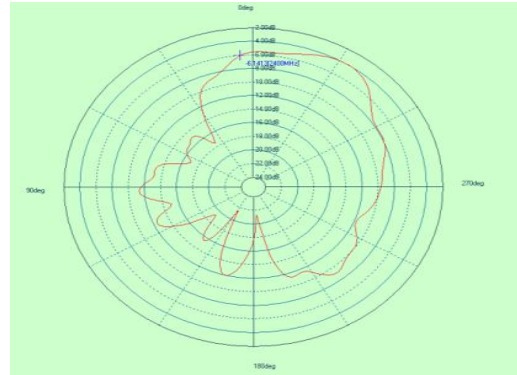
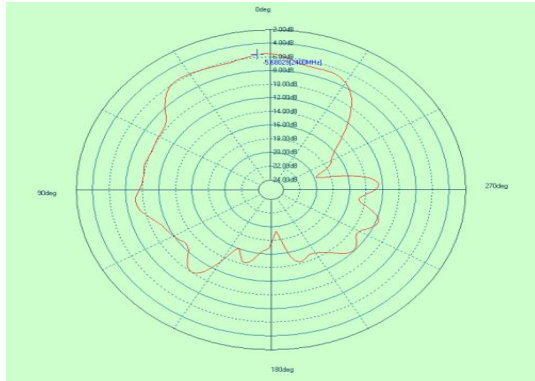
Test Result-VSWR/Antenna directivity diagram



Efficiency and gain

PHI=0

PHI=90



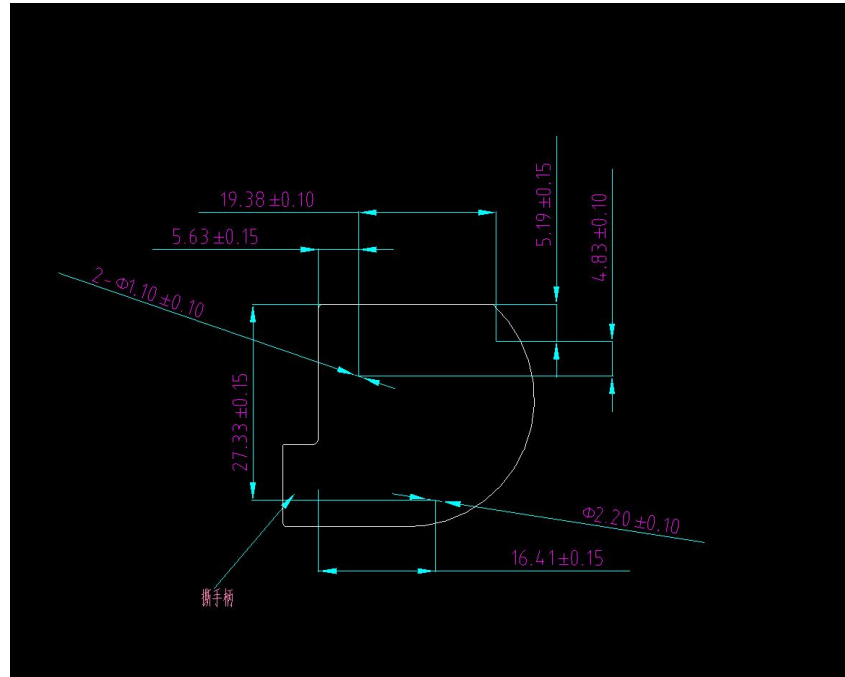
2400MHz

2450MHz

2500MHz

Frequency/Hz	Efficiency . dB	Gain
2400000000	-10.05	-4.54
2410000000	-10.36	-4.76
2420000000	-10.11	-4.83
2430000000	-10.2	-5.17
2440000000	-10.09	-5.16
2450000000	-10.4	-5.22
2460000000	-10.33	-5.34
2470000000	-10.48	-5.42
2480000000	-10.44	-5.38
2490000000	-10.66	-5.66
2500000000	-10.6	-5.78

NFC Antenna specification



Format :Round ,FPC+Ferrite and 5 turns
PN:F1476-ferrite-DA-1
Company:Shenzhen Deman Electronics Co.,Ltd
Permeability : 150+/-10%
Size:31*30.4
Type:Stick it on the FPC

Frequency range: 13.56MHz
gain: 0dBi