

Antenna Information

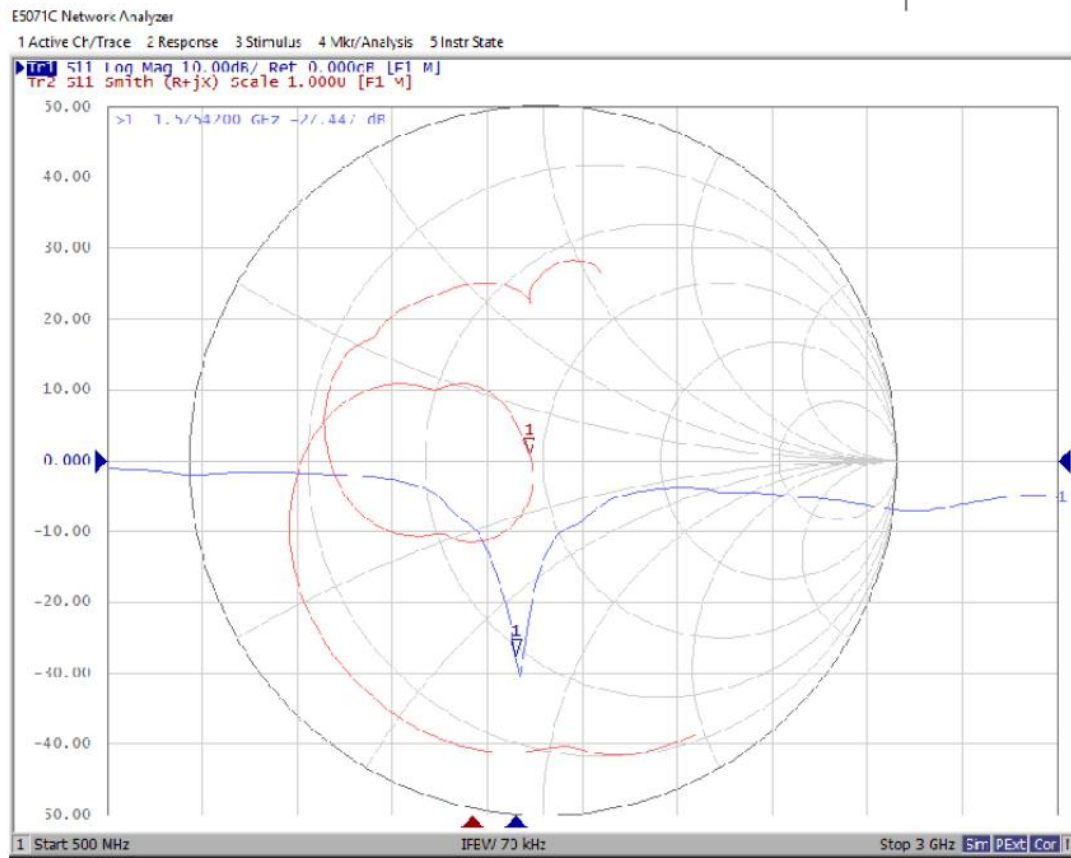
Model No.:	Vertex
Antenna Type	Metal mid-frame antenna
Antenna Model	Metal frame antenna
Product Name:	Smart Sport Watch
Antenna Frequency Range	GPS/1575.42MHz.BT/2400/2480MHz
Manufacturer Address	ShenZhen Zeblaze Smart Company Limited Room 705, 7/F, Building T2, Lijin City Center, Yousong Community, Longhua Street, Longhua District, Shenzhen, China
Antenna Peak Gain	-6.43 dBi
Antenna Dimension (LxHxW)	Calibre 48.8

Antenna Photo

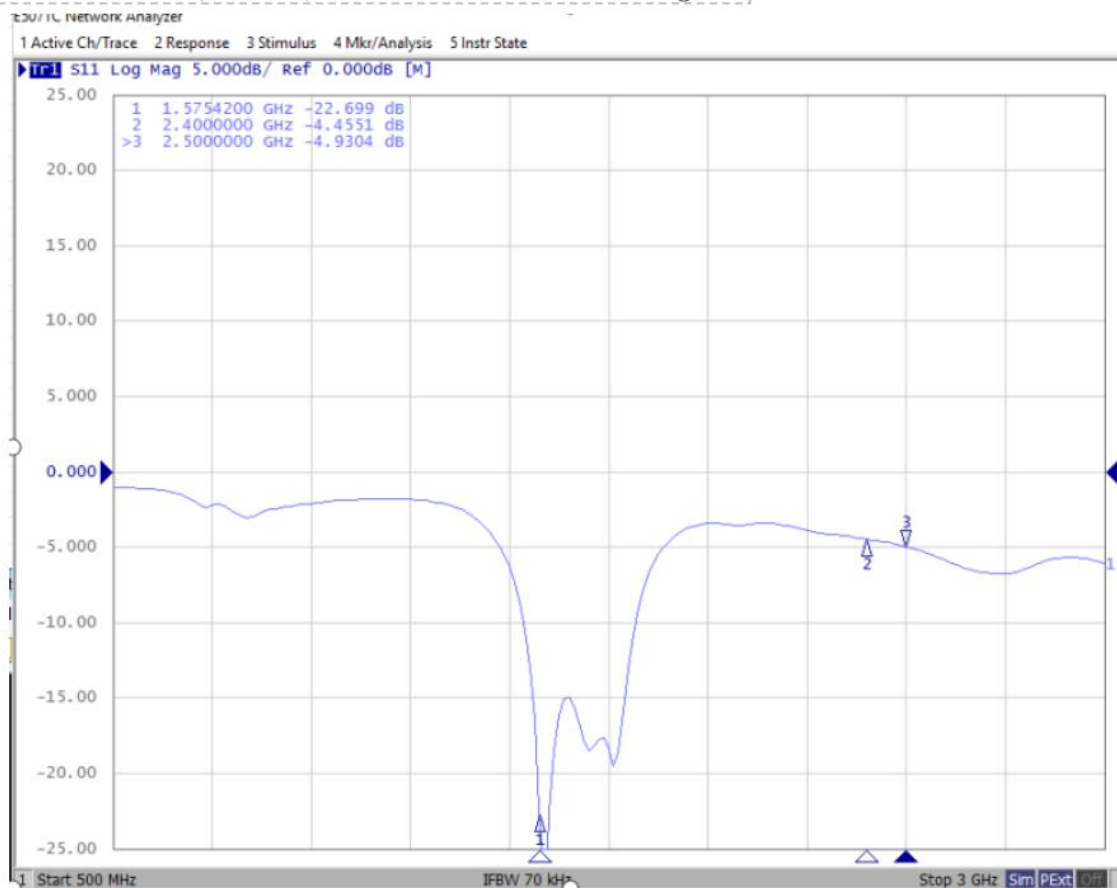


Antenna Top View

GPS 1575MHz 的Smith和LOG MAG waveform diagram



BT 2400MHz 的Smith和LOG MAG waveform diagram



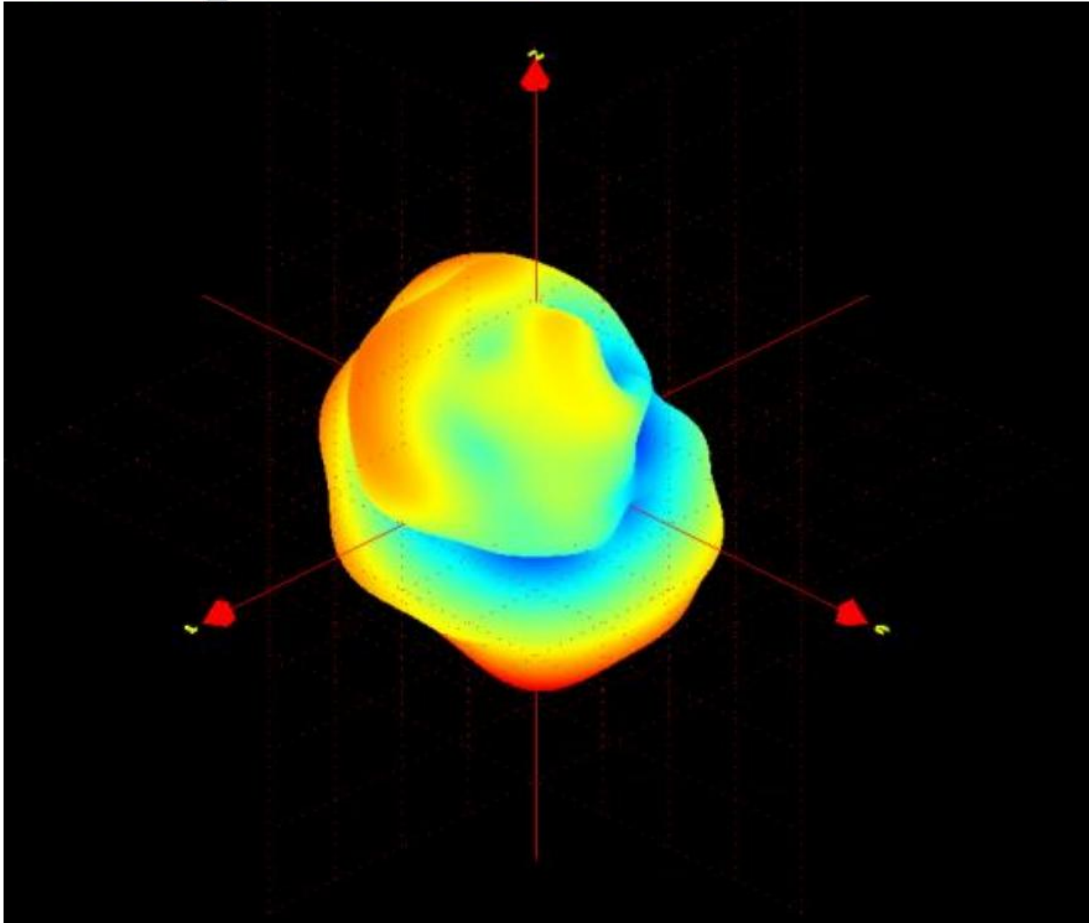
GPS Passive test data

1550	37%	-4.35	0.47
1555	37%	-4.37	0.56
1560	36%	-4.41	0.72
1565	35%	-4.52	1.05
1570	35%	-4.61	1.30
1575	34%	-4.62	1.70
1580	34%	-4.68	1.83
1585	34%	-4.70	1.90
1590	34%	-4.73	1.57
1595	33%	-4.79	0.93
1600	34%	-4.71	0.89

BT Passive test data

Frequency	Efficiency	Efficiency . dB	Gain . dB
2400000000	6%	-12.58314787	-6.4370658
2410000000	5%	-13.01385319	-6.9284779
2420000000	5%	-13.16982294	-7.0370259
2430000000	5%	-13.22643005	-7.1381309
2440000000	5%	-12.63136959	-7.4393753
2450000000	6%	-12.49627141	-7.4858071
2460000000	5%	-13.23907016	-7.7960122
2470000000	5%	-12.95814282	-7.9655428
2480000000	6%	-11.96672765	-8.0318387
2490000000	5%	-12.63136959	-8.1255159
2500000000	5%	-12.6357137	-8.2278604

GPS 3D radiation direction map



BT radiation direction map

