

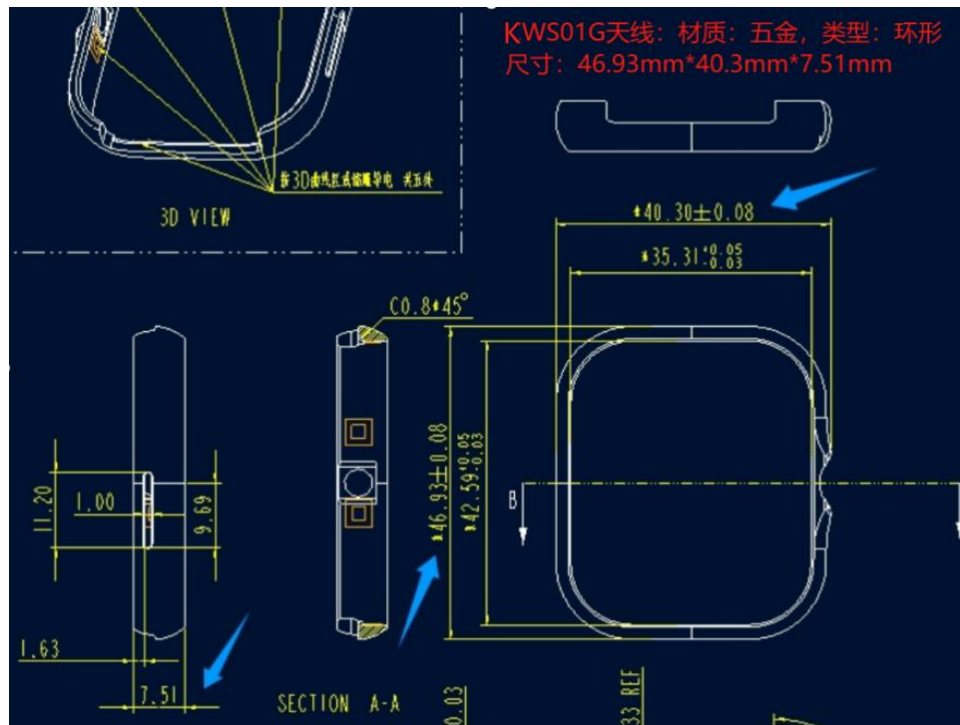
KWS01G

Manufacturer: SHENZHEN HENGXIANGTONG ANTENNA TECHNOLOGY CO., LTD.

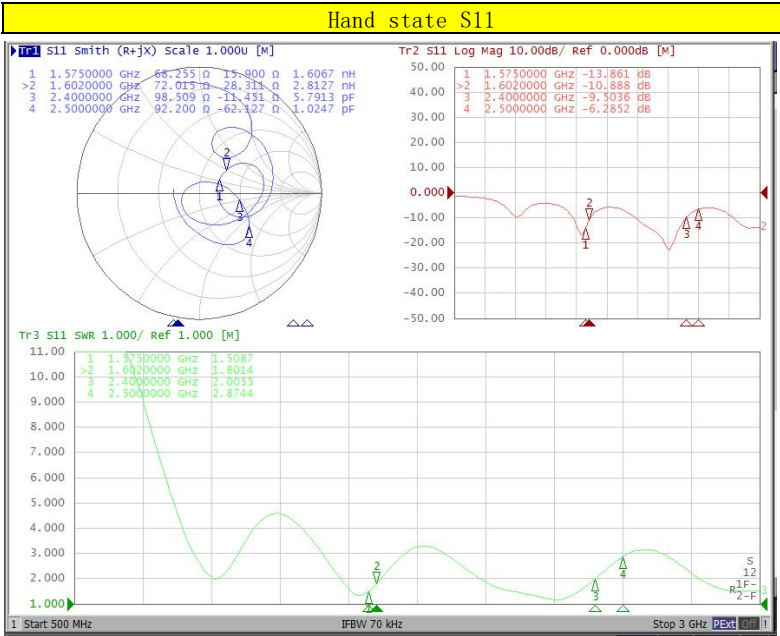
Antenna type	Metal mid-frame antenna
Model	KWS01G
Date	2024.12.12
Address	606, Building E, Enterprise Aviation Technology Innovation Research and Development Industrial Park, No. 1008, Songbai Road, Sunshine Community, Xili Street, Nanshan District, Shenzhen

GPS/BT antenna matching

Antenna size



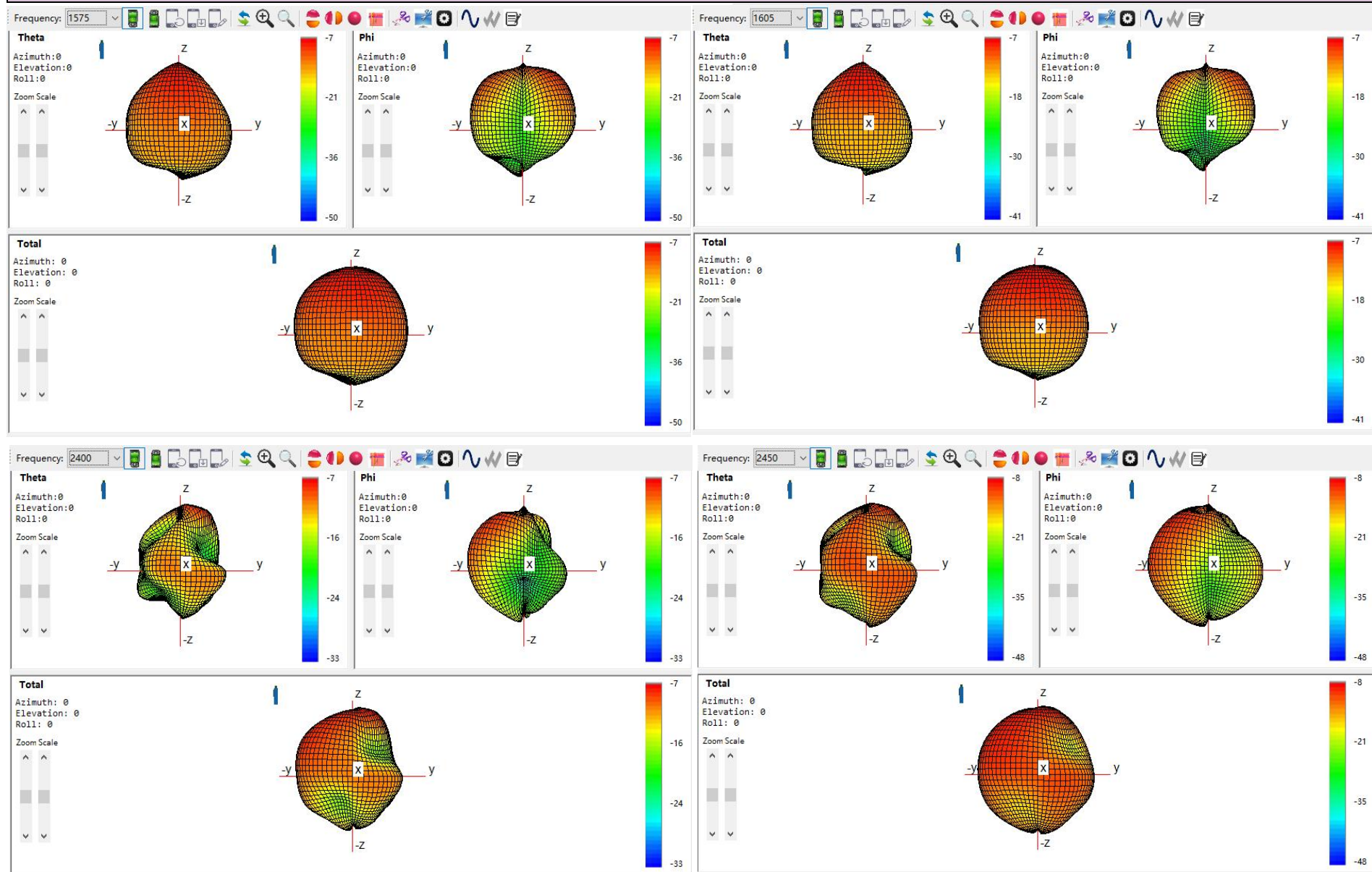
GPS-BT passive data

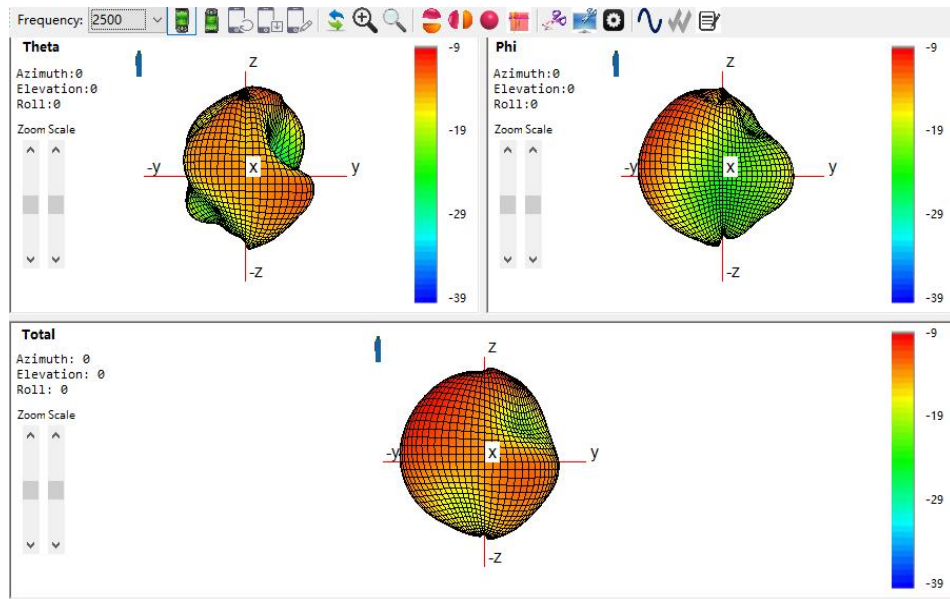


Hand state			
GPS			
(MHz)	Effi (dB)	Effi (dBi)	Effi (%)
1550	-12.3	-7.27	5.89
1555	-12.19	-7.36	6.05
1560	-12.26	-7.43	5.94
1565	-12.24	-7.38	5.97
1570	-12.2	-7.41	6.02
1575	-12.19	-7.32	6.04
1580	-12.26	-7.45	5.94
1585	-12.23	-7.39	5.99
1590	-12.28	-7.31	5.92
1595	-12.17	-7.35	6.07
1600	-12.15	-7.34	6.1
1605	-12.06	-7.21	6.23
1610	-12.05	-7.27	6.23
1615	-12.12	-7.28	6.13
1620	-12.08	-7.33	6.19
1625	-12.17	-7.34	6.07

Hand state			
BT			
(MHz)	Effi (dB)	Effi (dBi)	Effi (%)
2350	-11.03	-6.4	7.88
2360	-11.24	-6.78	7.51
2370	-11.3	-6.9	7.4
2380	-11.73	-7.48	6.72
2390	-11.93	-7.72	6.41
2400	-12.2	-7.87	6.03
2410	-12.45	-8.07	5.69
2420	-12.7	-8.17	5.37
2430	-12.77	-8.22	5.28
2440	-12.96	-8.61	5.06
2450	-13.01	-8.62	5
2460	-13.35	-9.02	4.62
2470	-13.62	-9.4	4.34
2480	-13.78	-9.46	4.19
2490	-13.85	-9.58	4.12
2500	-14.06	-9.59	3.92
2510	-14.23	-9.69	3.78
2520	-14.53	-10.06	3.52
2530	-14.98	-10.29	3.18
2540	-15.06	-10.58	3.12
2550	-15.16	-10.89	3.05

GPS/BT 3-D Patten Plots





END