



Welletronics Communication Technology Limited

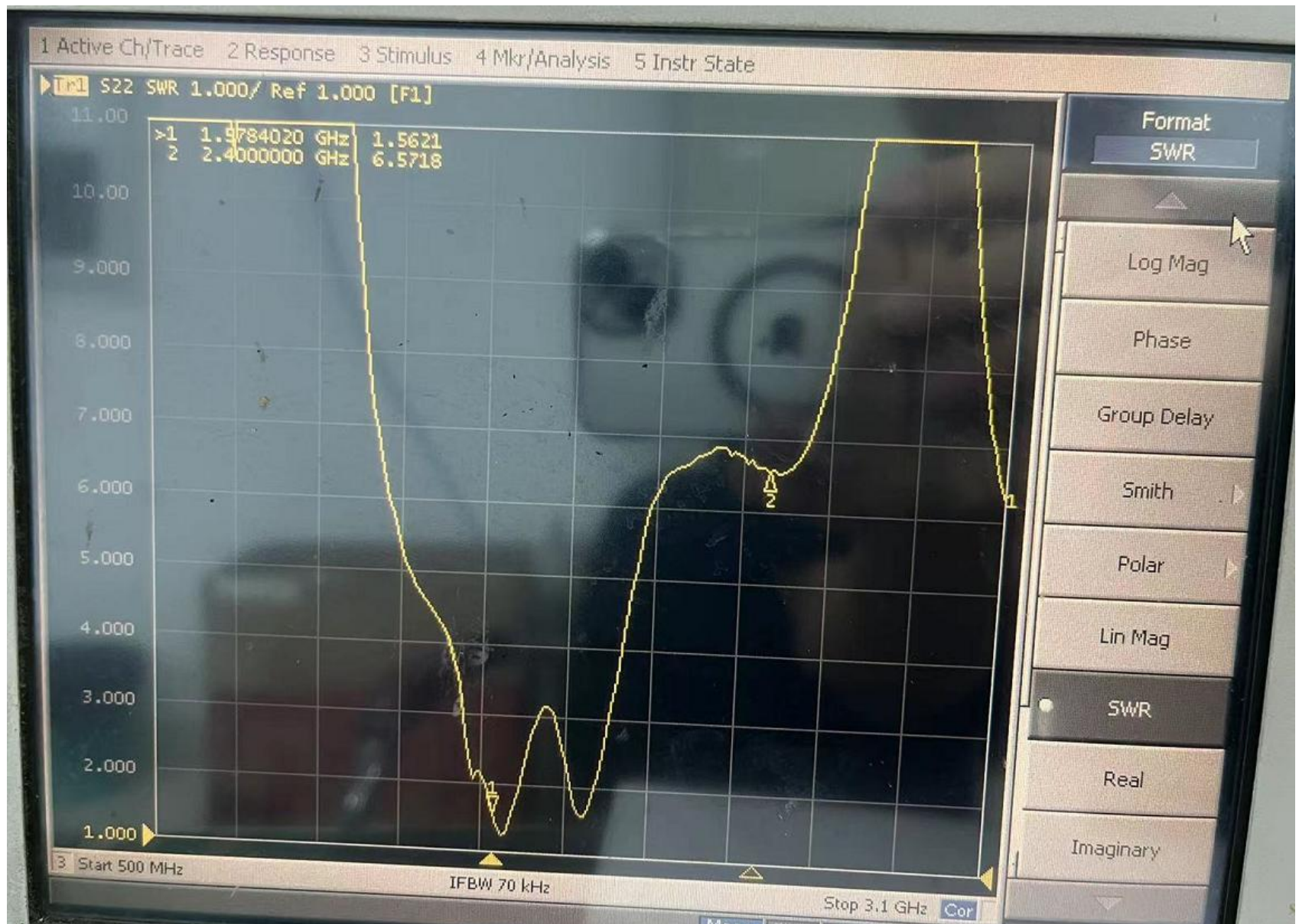
ANTENNA REPORT

	GTR1
1. GPS/BT	
2024-9-20	

BT&GPS_L5 SWR



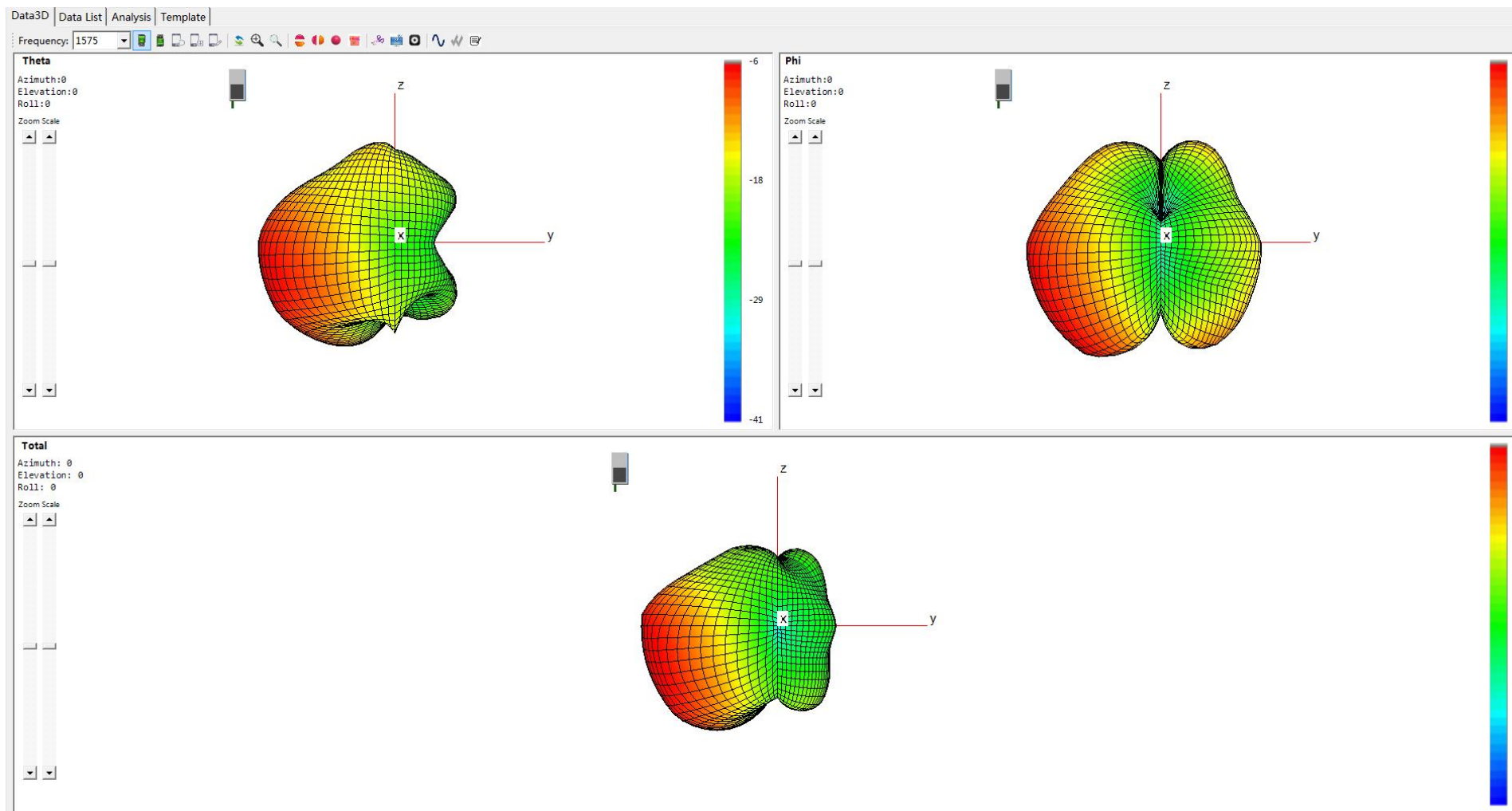
GPS L1 SWR



GNSS L1 L5 BT effieciy BT Gain=-0.43dBi

Freq (MHz)		Effi (%)	Gain (dBi)
1120	-9.5	11.22	-5.76
1130	-9.03	12.51	-5.11
1140	-8.72	13.43	-4.31
1150	-8.59	13.84	-3.84
1160	-8.62	13.74	-3.8
1170	-8.63	13.7	-3.76
1180	-8.65	13.65	-3.65
1190	-8.75	13.33	-3.78
1200	-8.93	12.79	-4.21
1210	-8.8	13.19	-4.38
1220	-9.01	12.55	-4.55
2400	-9	12.58	-1.68
2410	-8.7	13.48	-1.32
2420	-8.44	14.33	-1.19
2430	-8.21	15.11	-0.85
2440	-7.95	16.05	-0.74
2450	-7.62	17.29	-0.66
2460	-7.3	18.64	-0.52
2470	-6.9	20.39	-0.43
2480	-6.91	20.36	-0.55
2490	-6.78	21.01	-0.53
2500	-6.69	21.41	-0.61
1520	-8.49	14.15	-4.36
1530	-7.87	16.32	-3.23
1540	-7.83	16.5	-2.9
1550	-7.39	18.25	-2.41
1560	-7.3	18.6	-2.56
1570	-7.27	18.77	-2.84
1580	-7.27	18.75	-2.98
1590	-6.94	20.25	-3.31
1600	-7.18	19.16	-3.06
1610	-7.31	18.59	-2.95
1620	-8.08	15.56	-3.52

GPS L1 direction diagram



Frequency: 1575

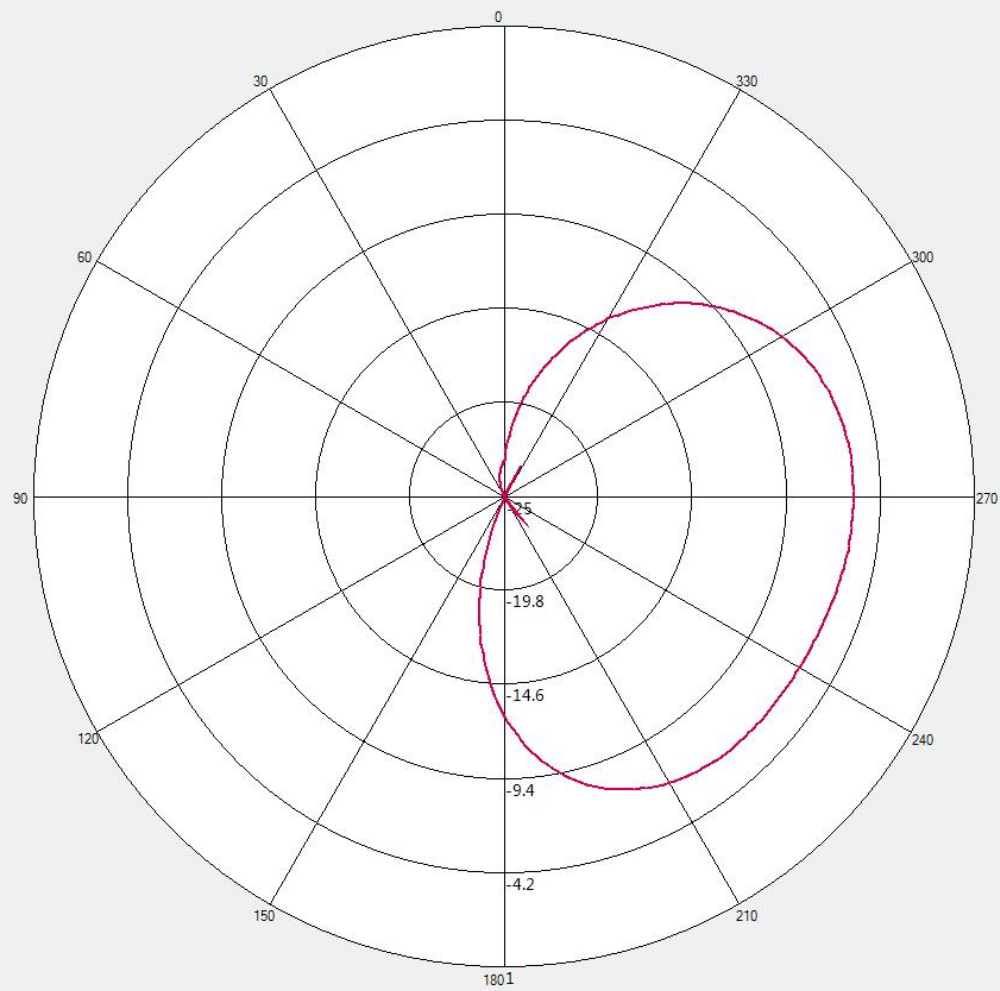
Theta Section Phi Section

Theta

Phi

Total

Show Front-to-Back Ratio



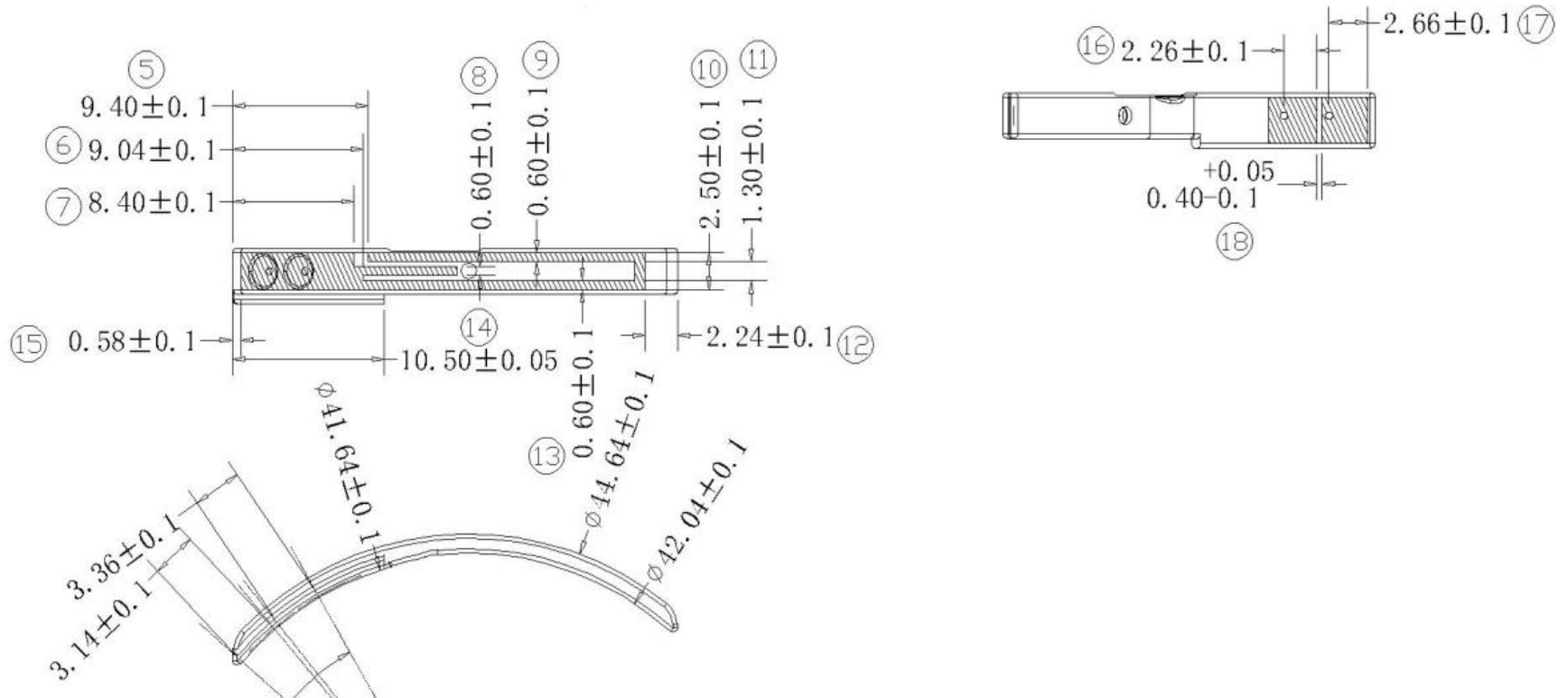
Visible	Theta
☐	0
☐	30
☐	60
☒	90
☐	120
☐	150
☐	180



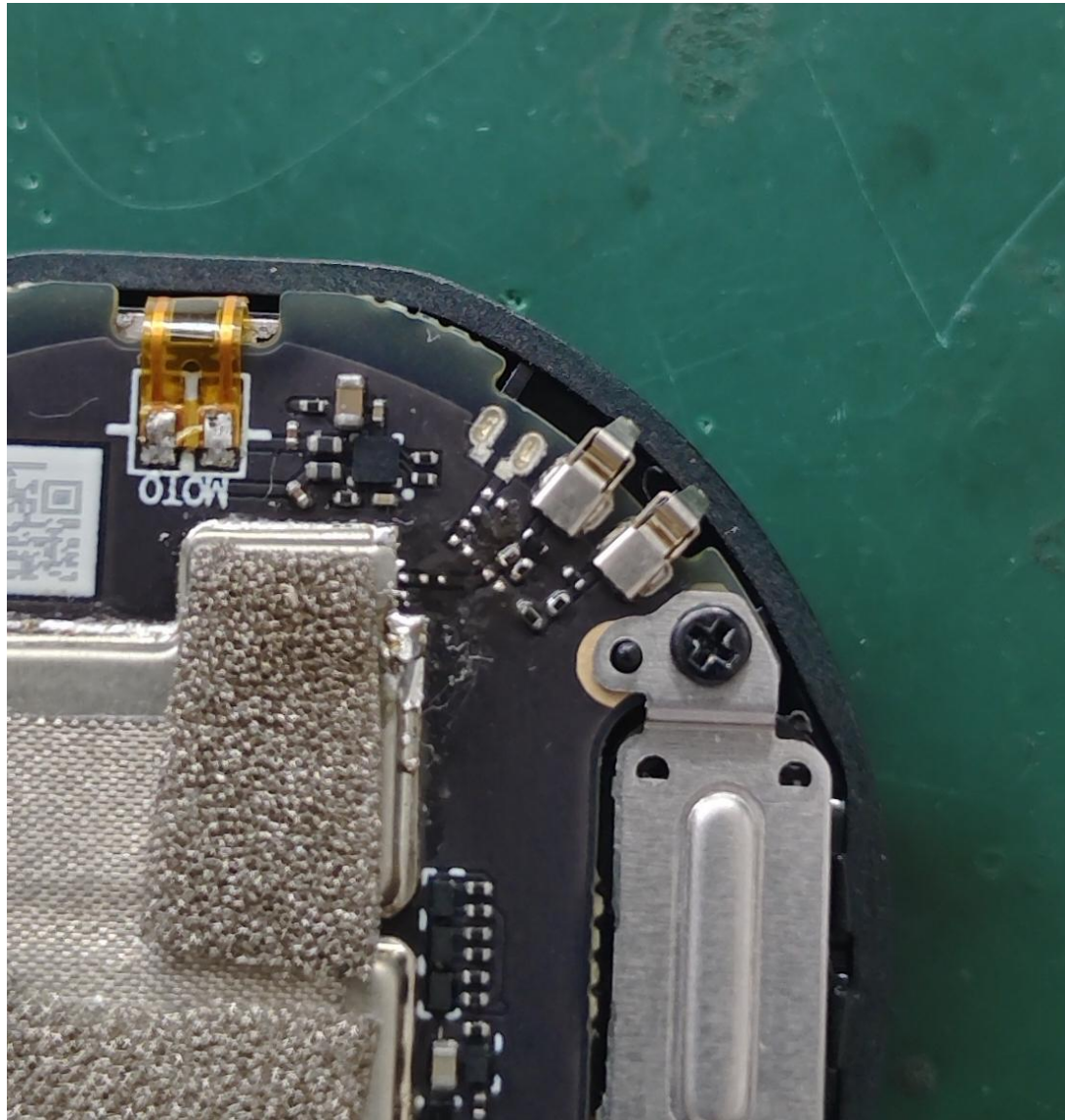
L1 CN 41 40 39 38

L5 CN 32 32 32 31

Antenna size BT&GPS L5



antenna matching



Welletronics Communication Technology Limited

**ADD: Floor 1-3, Building 8, Tongfu Estate Industrial Zone,
New Stone Community, Dalang Street, Longhua District,
Shenzhen**

Thank you !