

T4 Project Antenna Specification Sheet

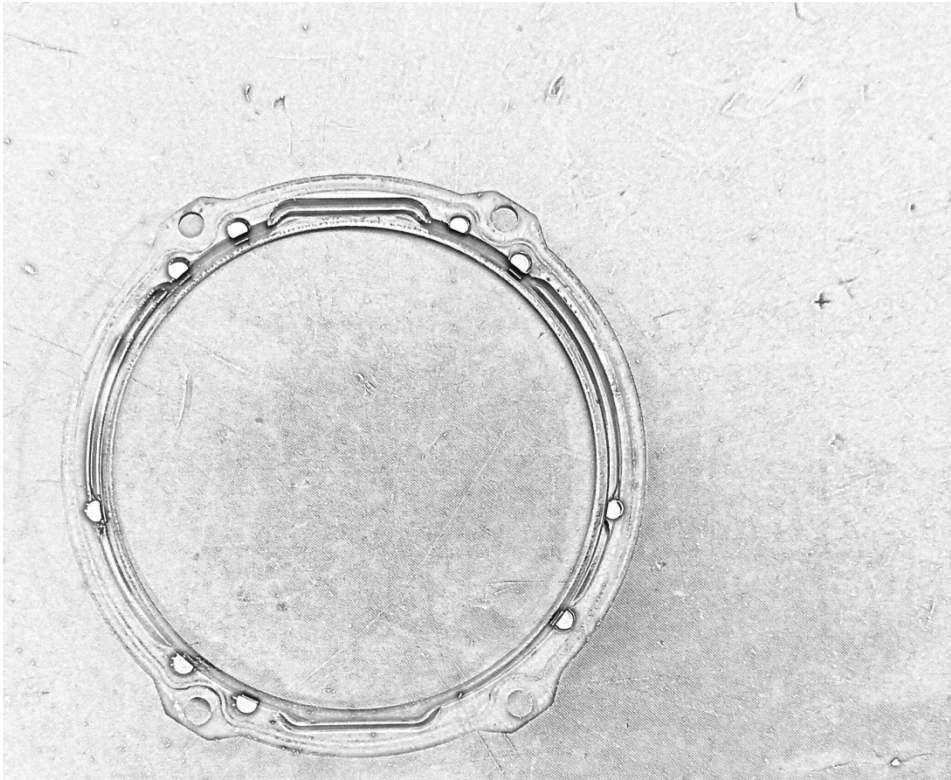
Manufacturer: Shenzhen Amazwear Technology CO., LTD.
Floor 34, Changjiang Center, Intersection of Renmin Road and
Jianshe Road, Jingxin Community, Longhua Street, Longhua
District, Shenzhen, China

Project Name: T4

Operating frequency bands :GNSS/BT/BLE

Hardware version: JX402-06-MB-V1.3

Antenna model: T4ANT

Project Information**Picture**

Whole machine test data

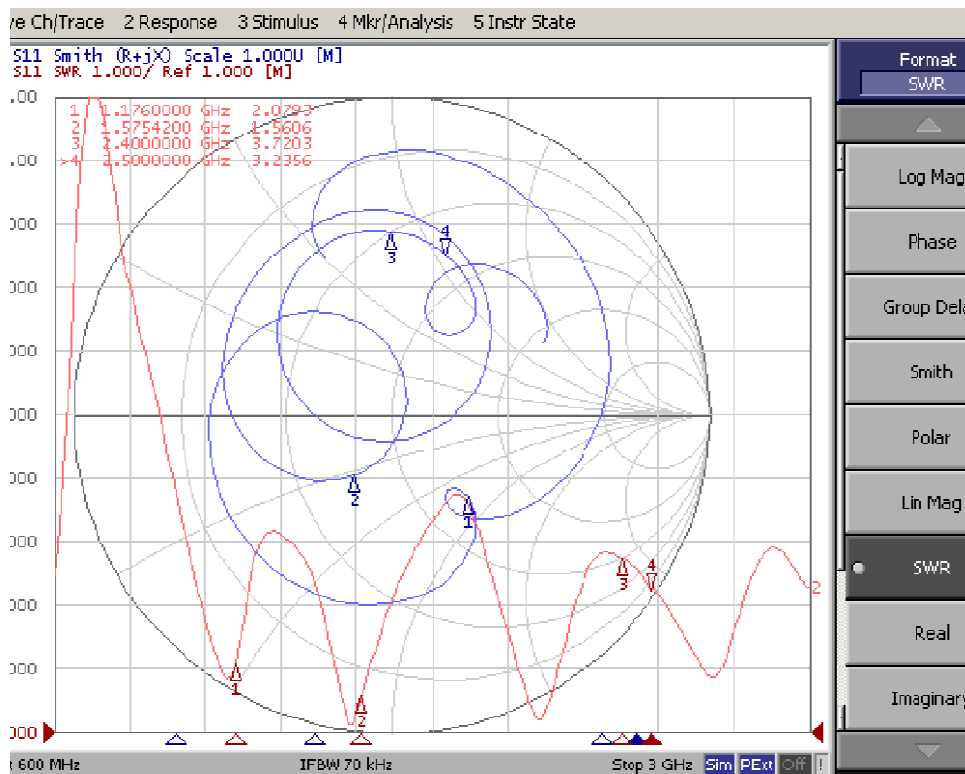
1 Description of S11 Test Method

Test equipment: Network analyzer (Agilent E5071C)

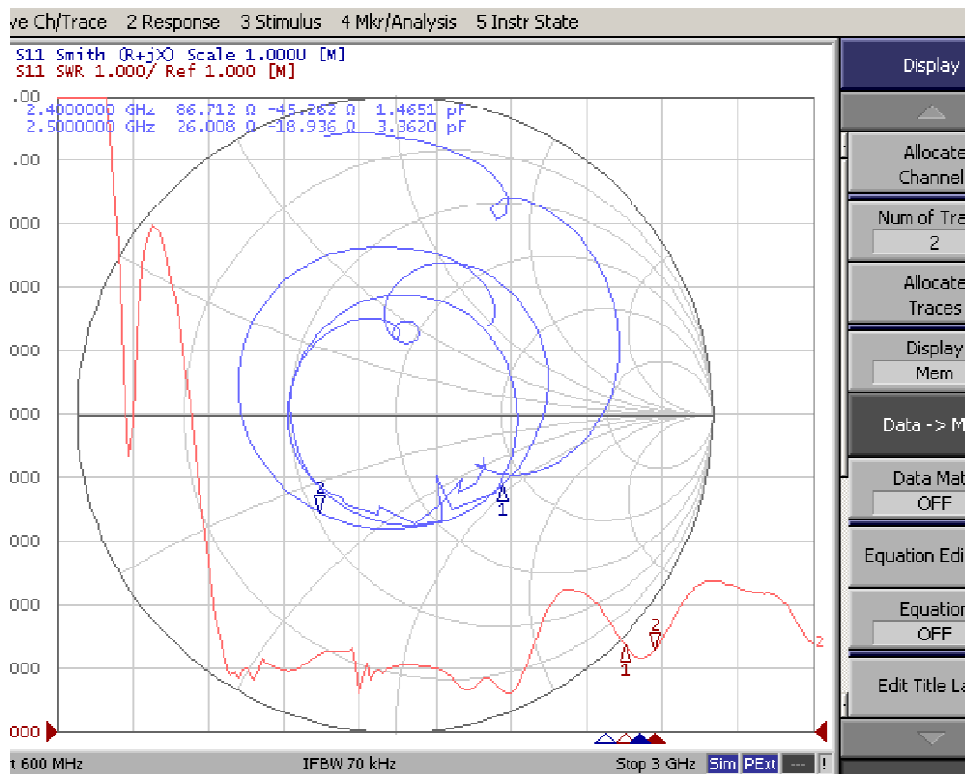
Test method: Export a 50-ohm CABLE from the instrument's test port, calibrate it with a calibration piece, and then connect it to the SMA connector of the test fixture. Record the return loss and standing wave ratio corresponding to the relevant frequency points.

2 S11 Test Parameters

The standing wave ratio VSWR of GNSS antennas



The standing wave ratio VSWR of BT/BLE antennas



3 Passive data

Antenna passive efficiency and gain

GNSS			
Frequency/MHz	Efficiency / dB	Efficiency / %	Max Gain/dBi
1170	-14.58	3.48	-10.66
1171	-14.59	3.48	-10.71
1172	-14.62	3.45	-10.77
1173	-14.68	3.4	-10.87
1174	-14.77	3.33	-10.99
1175	-14.89	3.24	-11.12
1176	-14.98	3.18	-11.17
1177	-15.06	3.12	-11.22
1178	-15.11	3.08	-11.2
1179	-15.12	3.08	-11.15
1180	-15.1	3.09	-11.08
1560	-10.78	8.36	-7.58
1565	-10.86	8.2	-8.02
1570	-10.86	8.2	-7.81
1575	-10.85	8.22	-7.83
1580	-10.89	8.15	-7.69
1585	-10.94	8.05	-7.58
1590	-10.8	8.32	-7.39
1595	-11.07	7.82	-7.83
1600	-10.93	8.07	-7.44
1605	-10.99	7.96	-7.23
1610	-11.1	7.76	-7.63

BT/BLE			
Frequency/MHz	Efficiency / dB	Efficiency / %	Max Gain/dBi
2350	-13.39	4.58	-10.53
2360	-13.33	4.64	-10.61
2370	-13.31	4.67	-10.27
2380	-13.08	4.92	-9.78
2390	-12.9	5.13	-9.27
2400	-12.66	5.42	-9.33
2410	-12.49	5.63	-9.44
2420	-12.51	5.61	-8.49

2430	-12.41	5.74	-8.59
2440	-12.25	5.95	-8.98
2450	-12.44	5.7	-9.14
2460	-12.17	6.07	-9.17
2470	-11.99	6.32	-9.05
2480	-11.77	6.65	-8.83
2490	-11.64	6.85	-8.66
2500	-11.75	6.68	-8.62
2510	-11.69	6.78	-8.1
2520	-11.34	7.35	-7.34
2530	-11.51	7.06	-7.86
2540	-11.78	6.64	-8.22
2550	-11.95	6.38	-8.5

3D orientation map

