

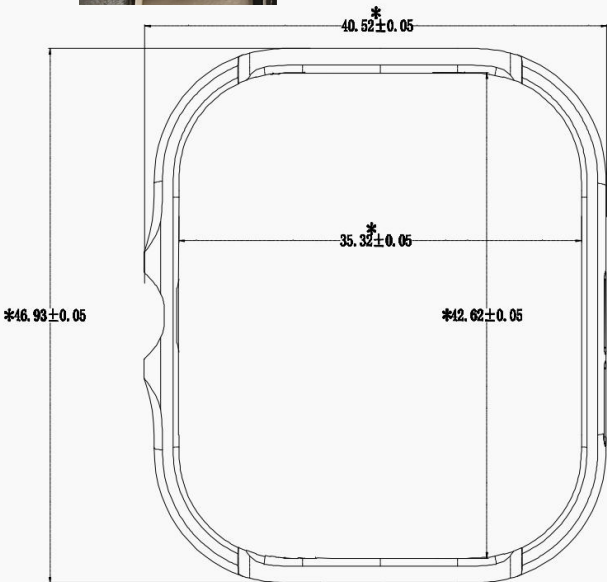
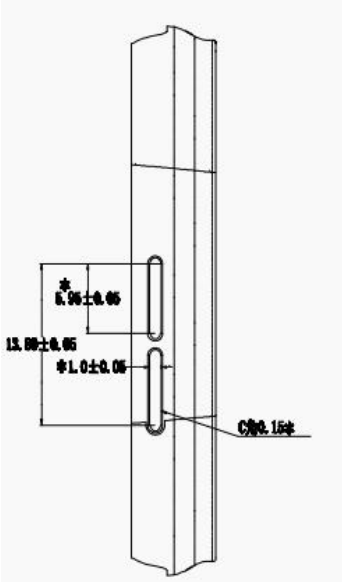
CWS08G antenna specifications

Antenna Description

The antenna of the CWS08G project uses a metal frame and a face ring as the antenna radiator, and the motherboard end is connected to the antenna body by shrapnel to connect the main feed point and ground feed point.

Antenna appearance



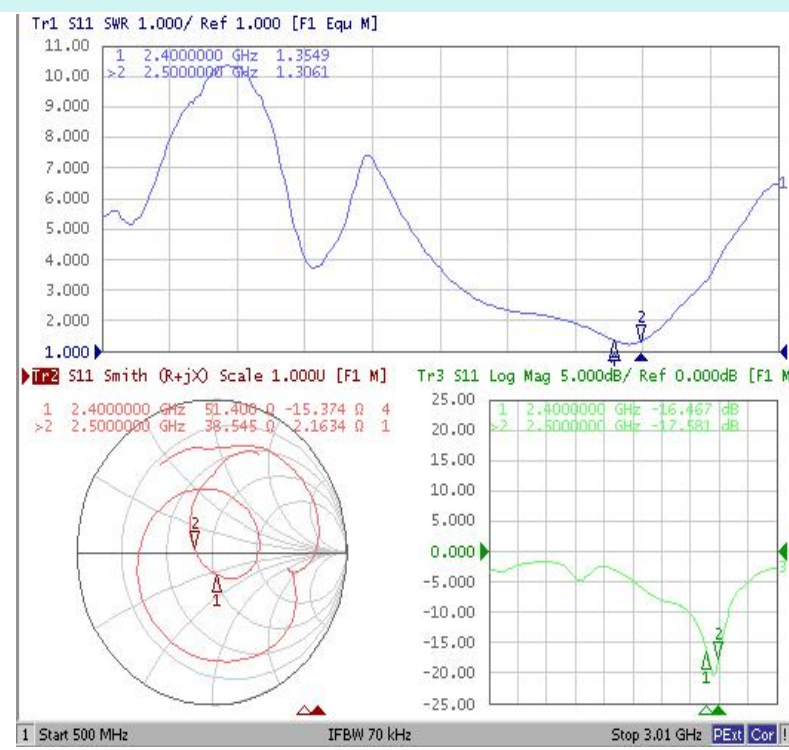
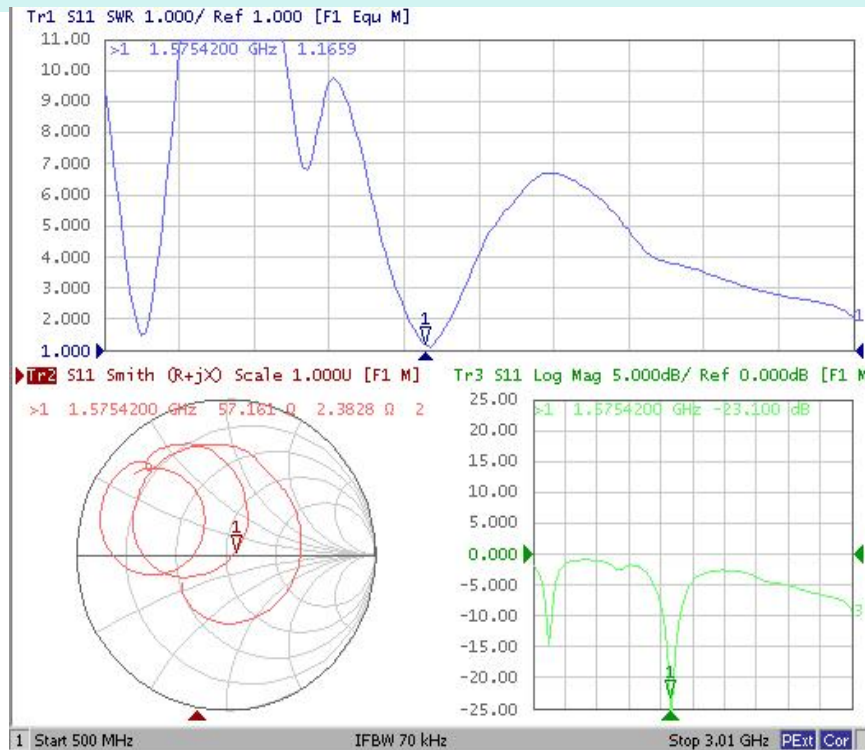
Antenna Size			
Antenna Specifications	40.52mm*46.93mm	Type: Metal Panel Antenna	Material: Aluminum Alloy

Antenna efficiency parameter

Preliminary Debugging Results:

1. The efficiency of the Arm GPS antenna is tuned to around 7%.
2. The efficiency of the Arm Bluetooth (BT) antenna is tuned to around 5%.

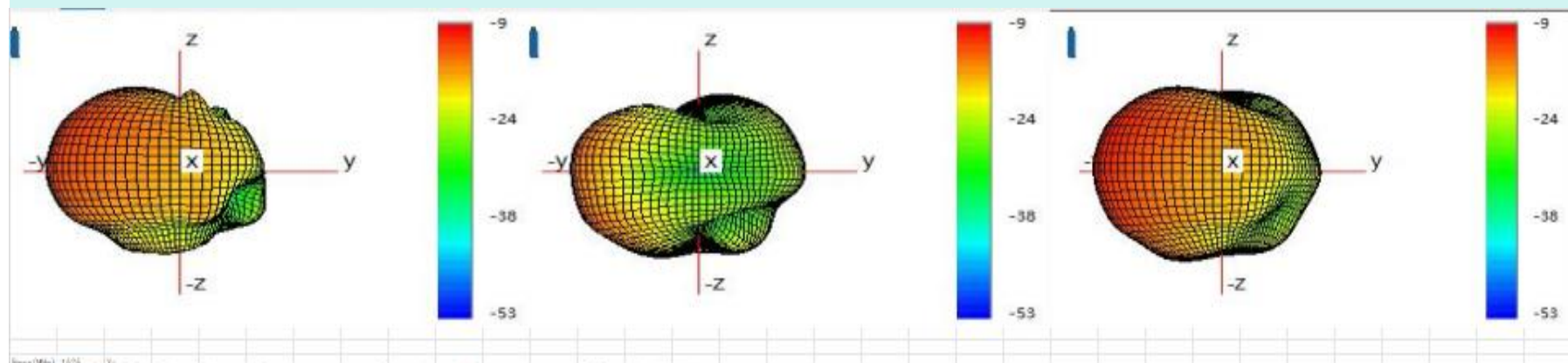
GPS/BT passive diagram

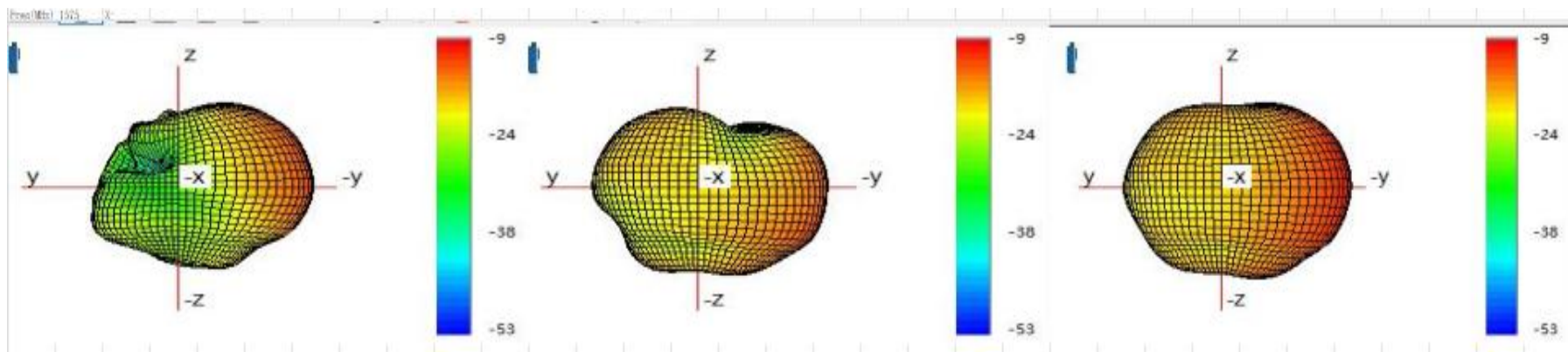


Testing of antenna efficiency parameters

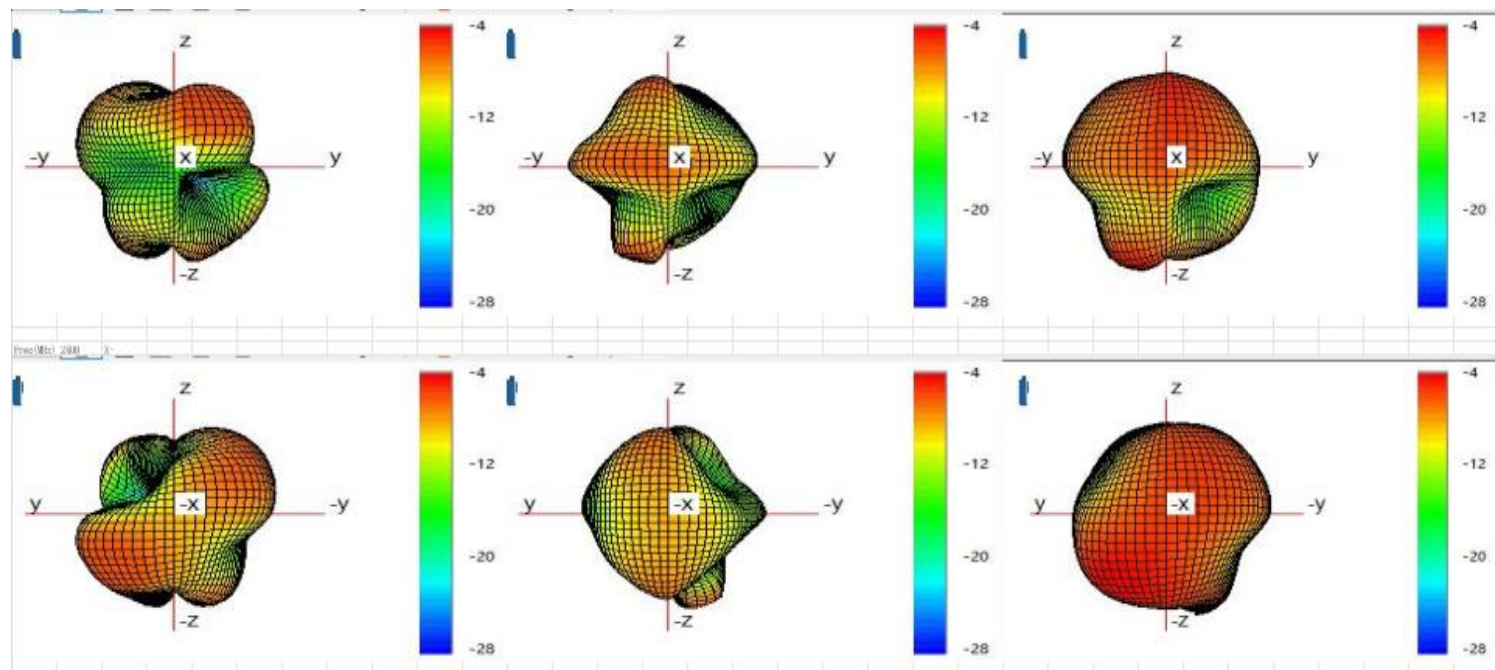
BT Arm	效率%	效率db	增益	GPS Arm	频点	效率%	效率db	增益
	3%	-14.80	-9.1		1550	5%	-13.27	-8.0
	4%	-13.84	-8.6		1555	6%	-12.58	-7.6
	4%	-13.60	-8.5		1560	6%	-12.31	-7.2
	5%	-12.51	-8.1		1565	6%	-11.92	-6.4
	5%	-12.23	-7.9		1570	7%	-11.78	-6.6
	5%	-12.18	-7.4		1575	7%	-11.73	-6.4
	4%	-13.69	-7.6		1580	6%	-12.53	-7.8
	4%	-13.72	-8.1		1585	5%	-12.86	-7.9
	4%	-13.65	-8.5		1590	5%	-13.17	-8.1
	4%	-13.98	-8.7					
	3%	-14.90	-9.3					

1575MHz passive directional map/field pattern map





2450MHzpassive directionalmap/field pattern map



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