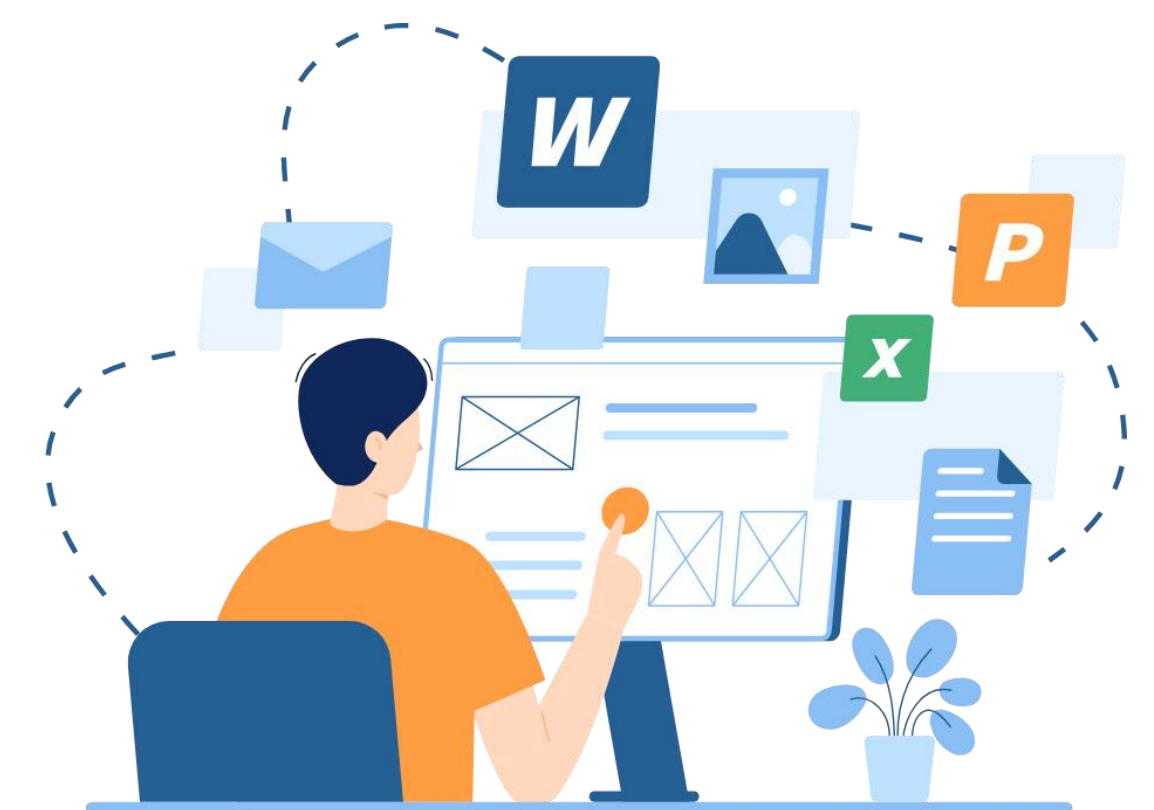


Antenna Report

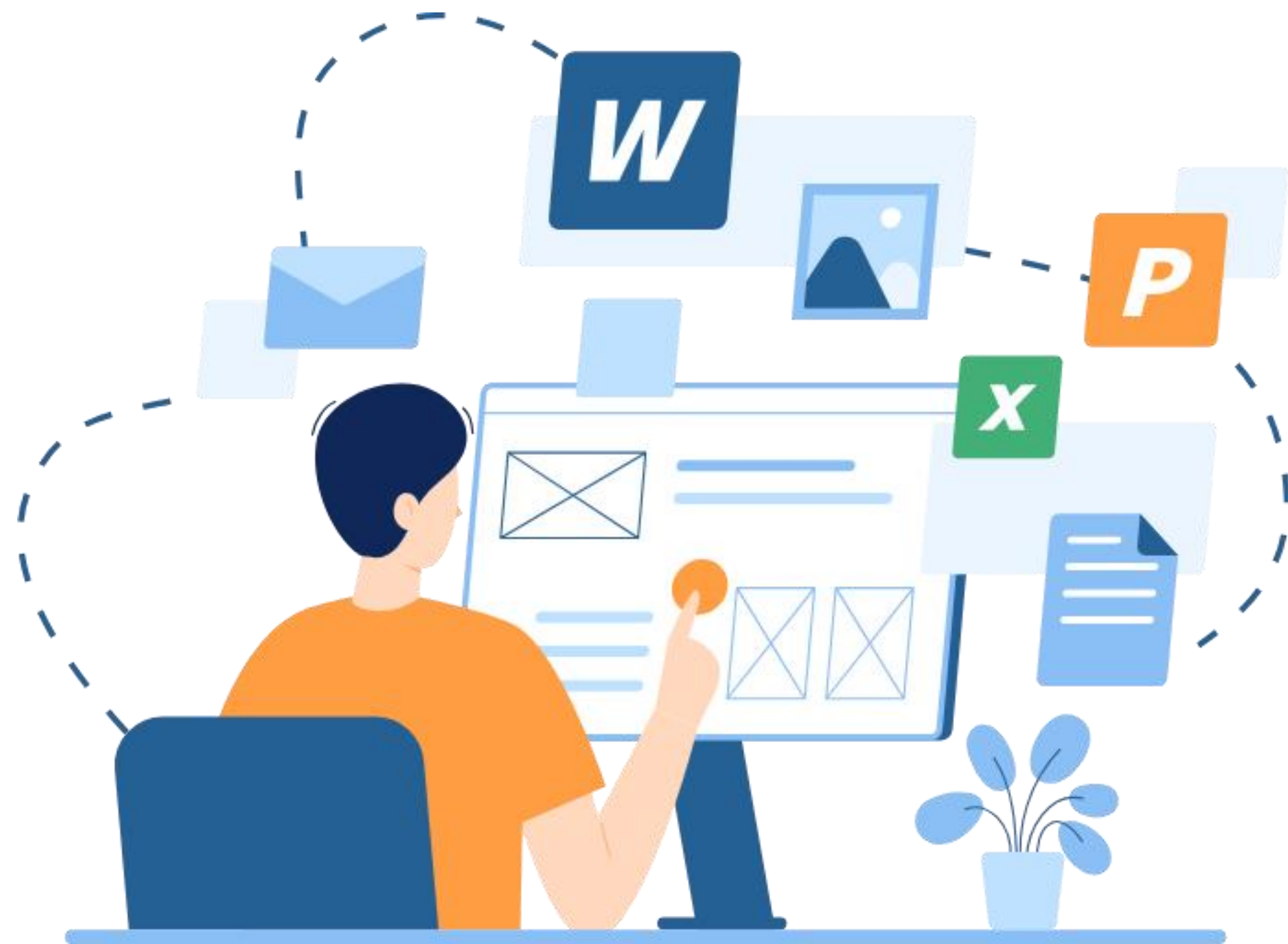
Manufacturer: Wahoo Fitness LLC

Address: 90 W. Wieuca Road #110, Atlanta, GA
30342, United States





Contents

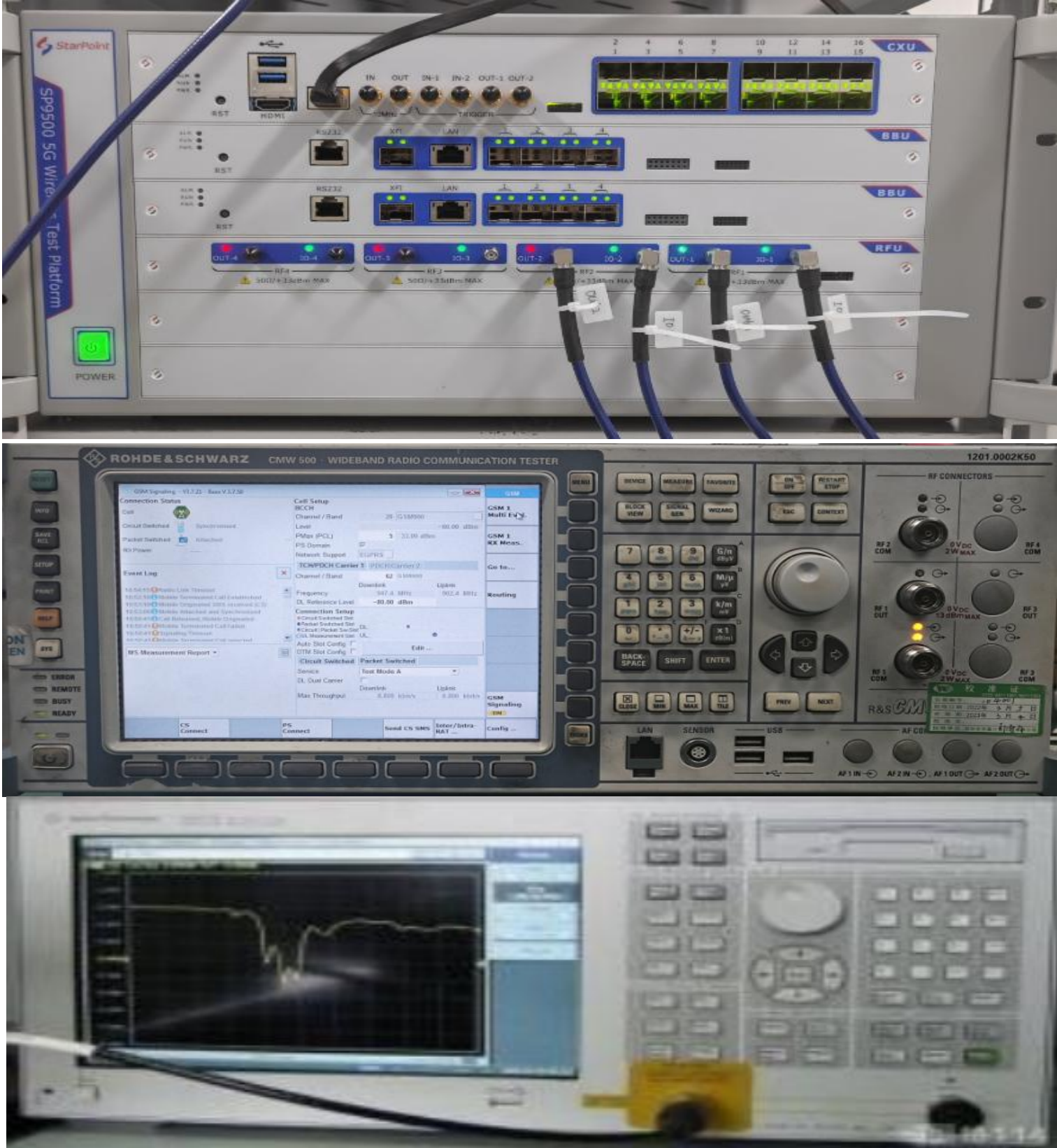
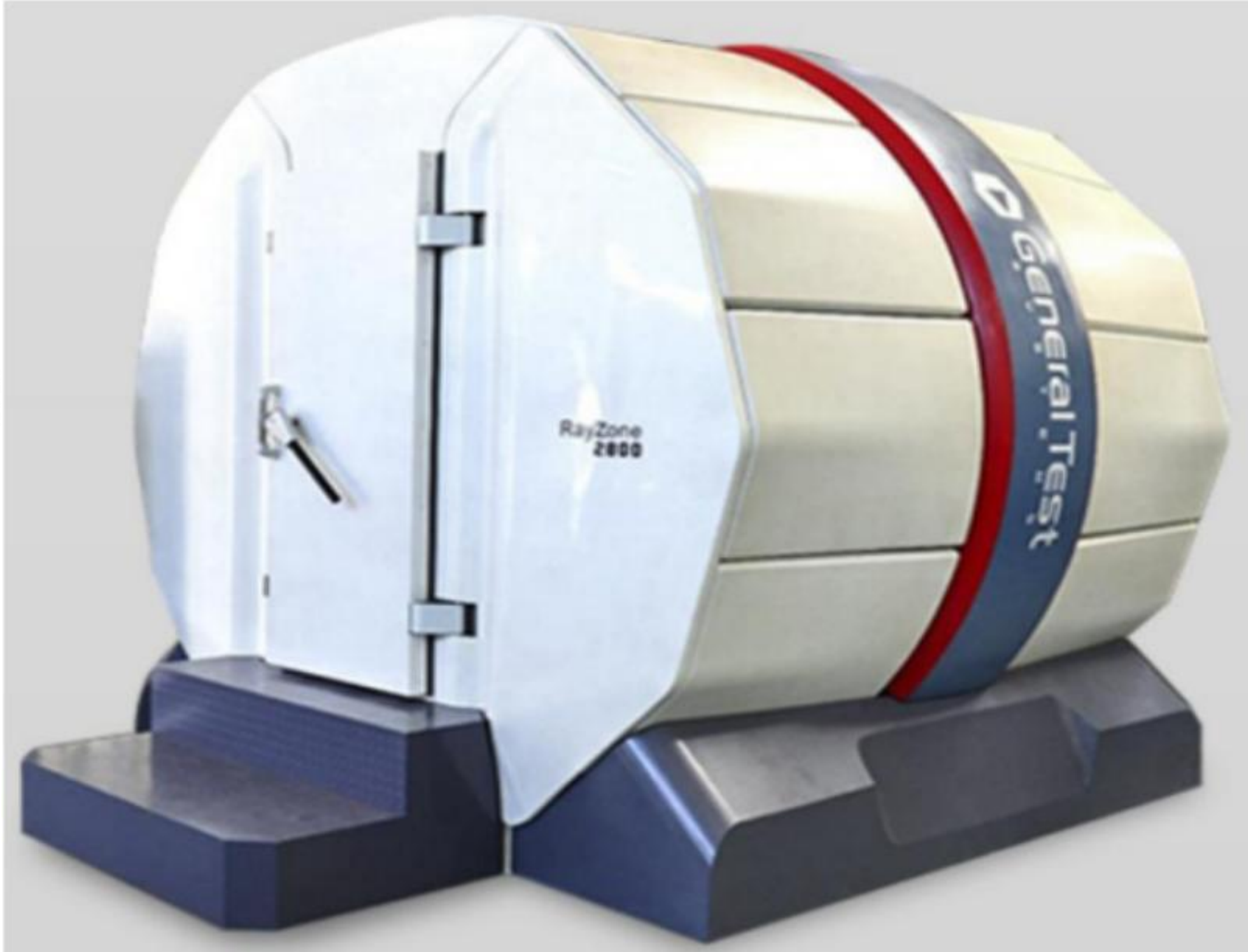


- 1 Test Equipment
- 2 Project Description
- 3 Debug Version Record
- 4 Matching Record
- 5 S11 Parameter Test
- 6 Important Notes



Passive and active testing—5G microwave chamber

◆ Test system	◆ Testing environment	◆ Active test	◆ Passive test
GTS2800	Temperature: 22°C±3°C Humidity: 50%±15%	Support 5G/4G/3G/2G Support BT/WIFI/GPS	600MHZ——6G



Project debugging profile

Overall unit type		
Antenna type and frequency band information	Main antenna	BT 2.4G
	B/G/W	
	Diversity antenna	
Antenna material/Antenna type	Onboard	



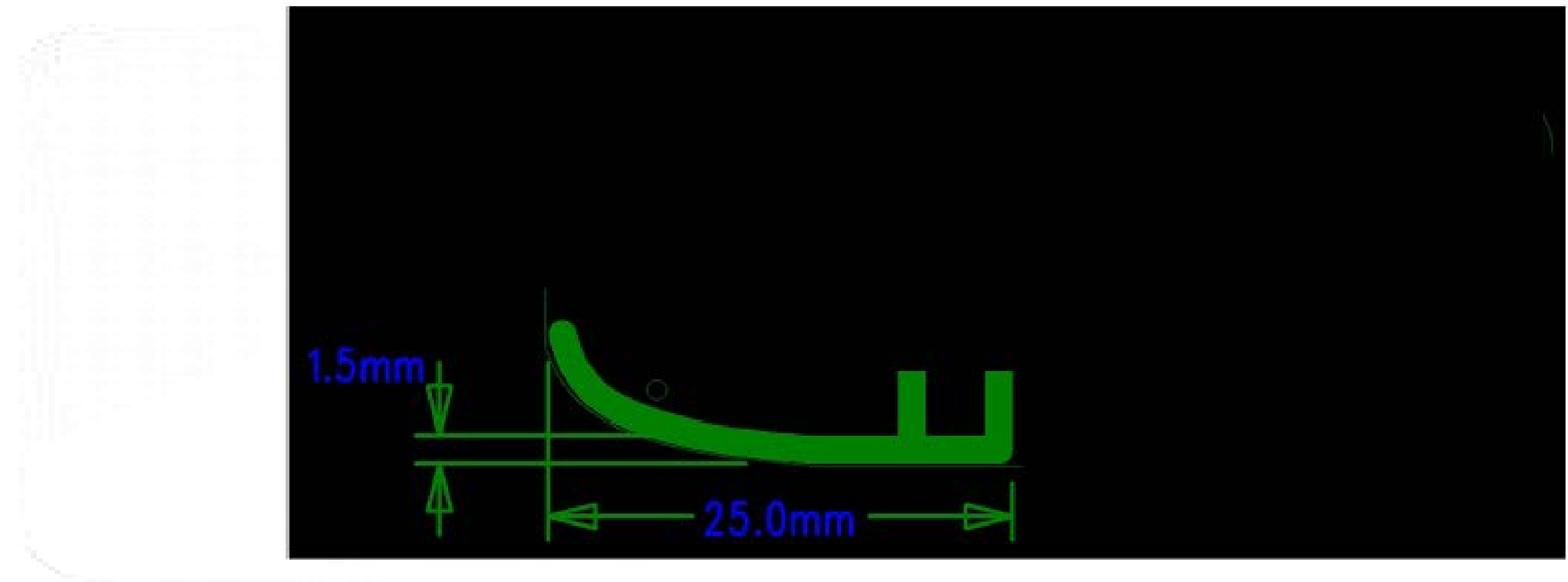
Debug Version Record

Zurich

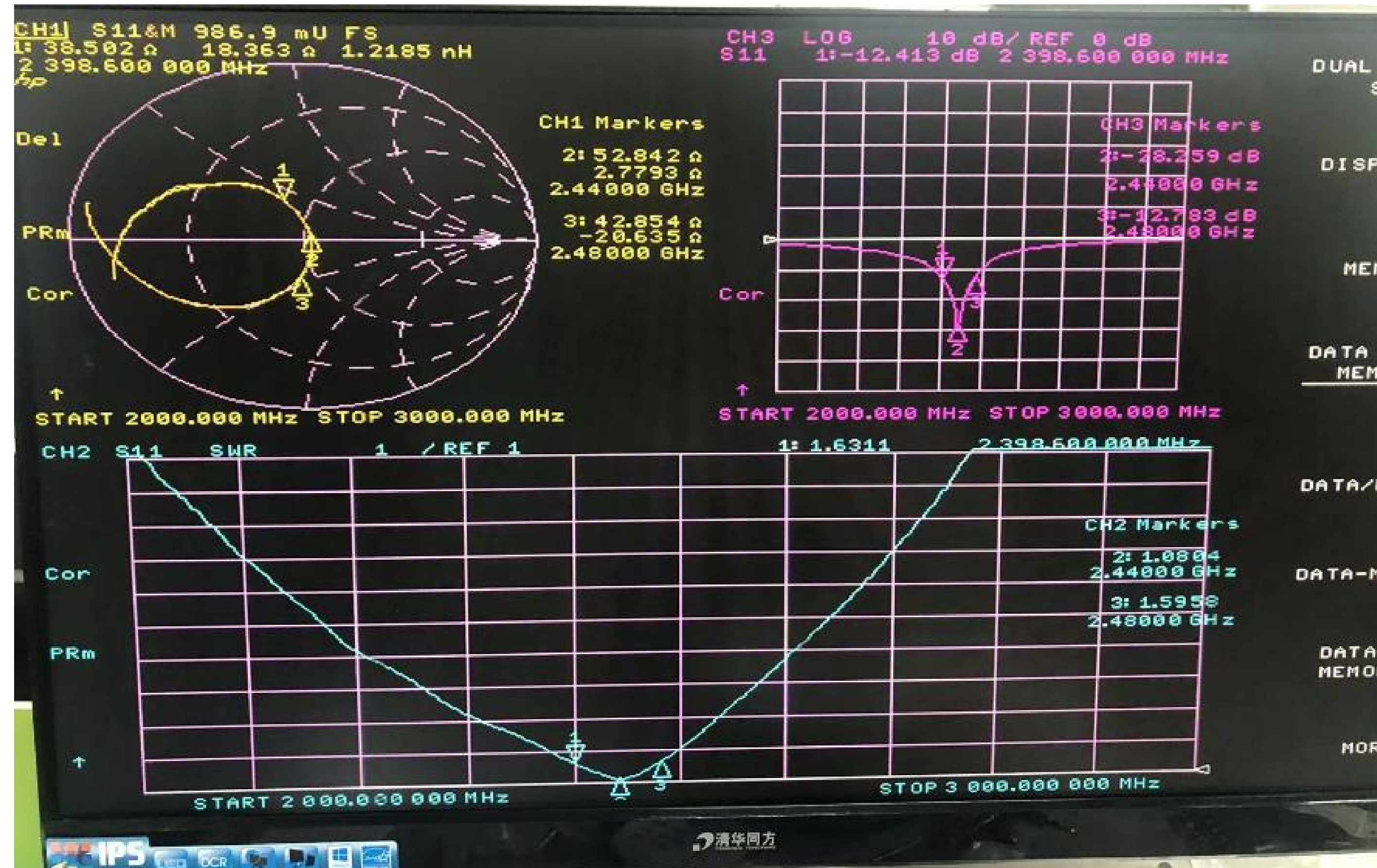
Version	Date	Item
v1	2023/12/21	Debug



Matching details



S11

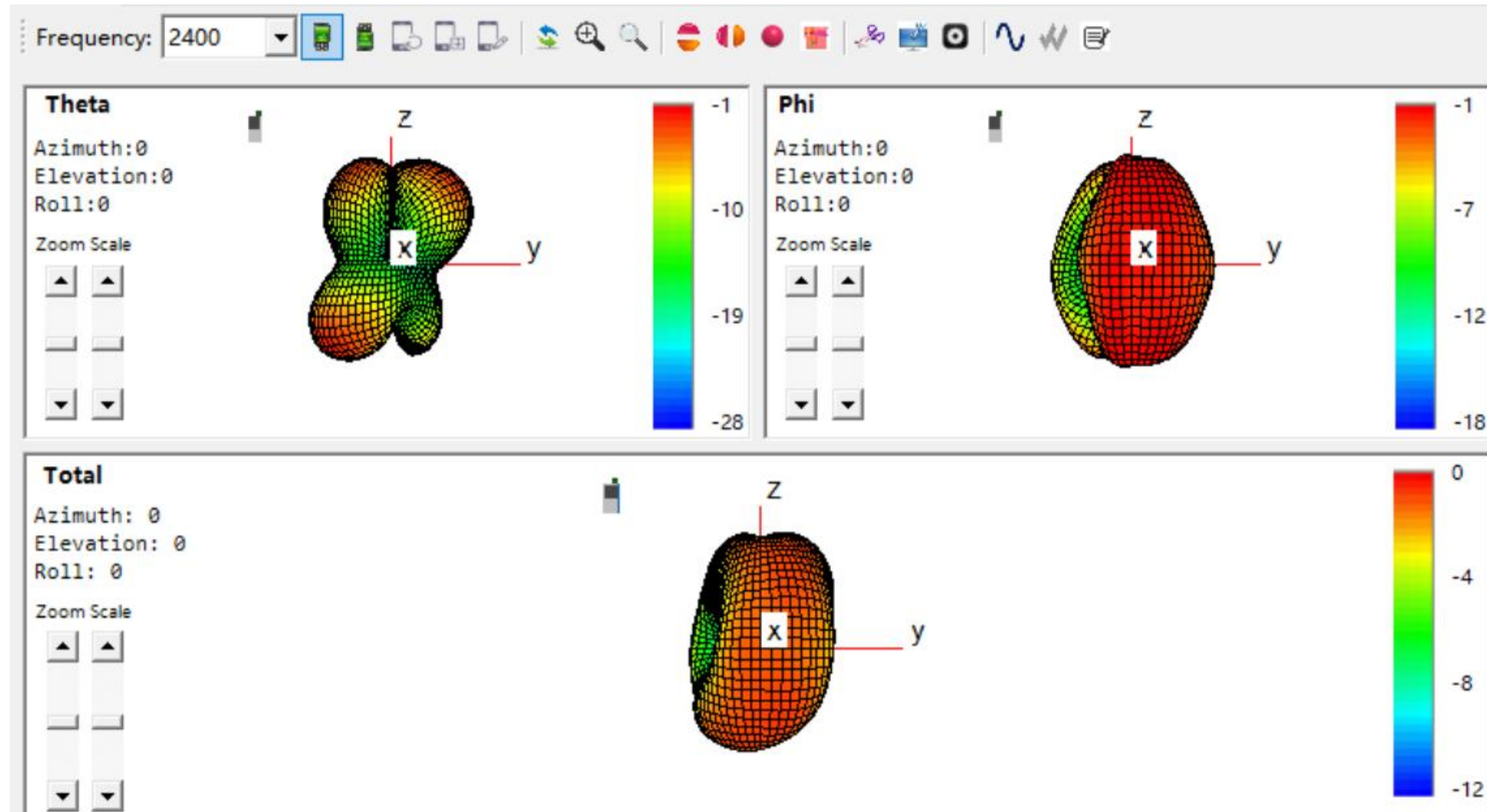


Efficiency gains

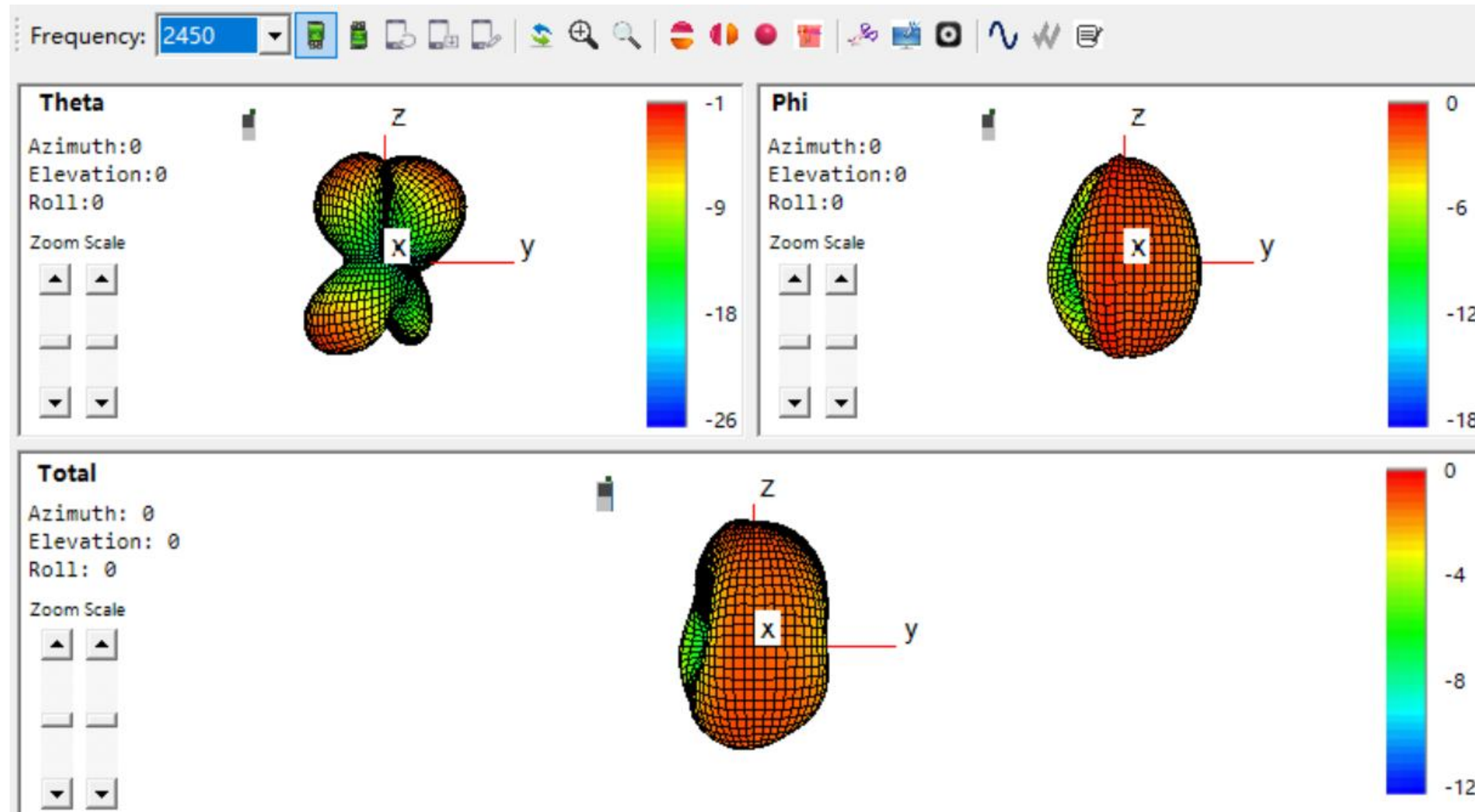
	增益 Gain	效率 Efficiency
2400	1.86	54.46
2410	1.54	53.25
2420	1.44	51.13
2430	1.71	51.71
2440	1.27	49.35
2450	1.64	49.99
2460	1.12	48.01
2470	0.75	45.8
2480	0.96	44.3
2490	0.68	42.73
2500	0.06	38.1



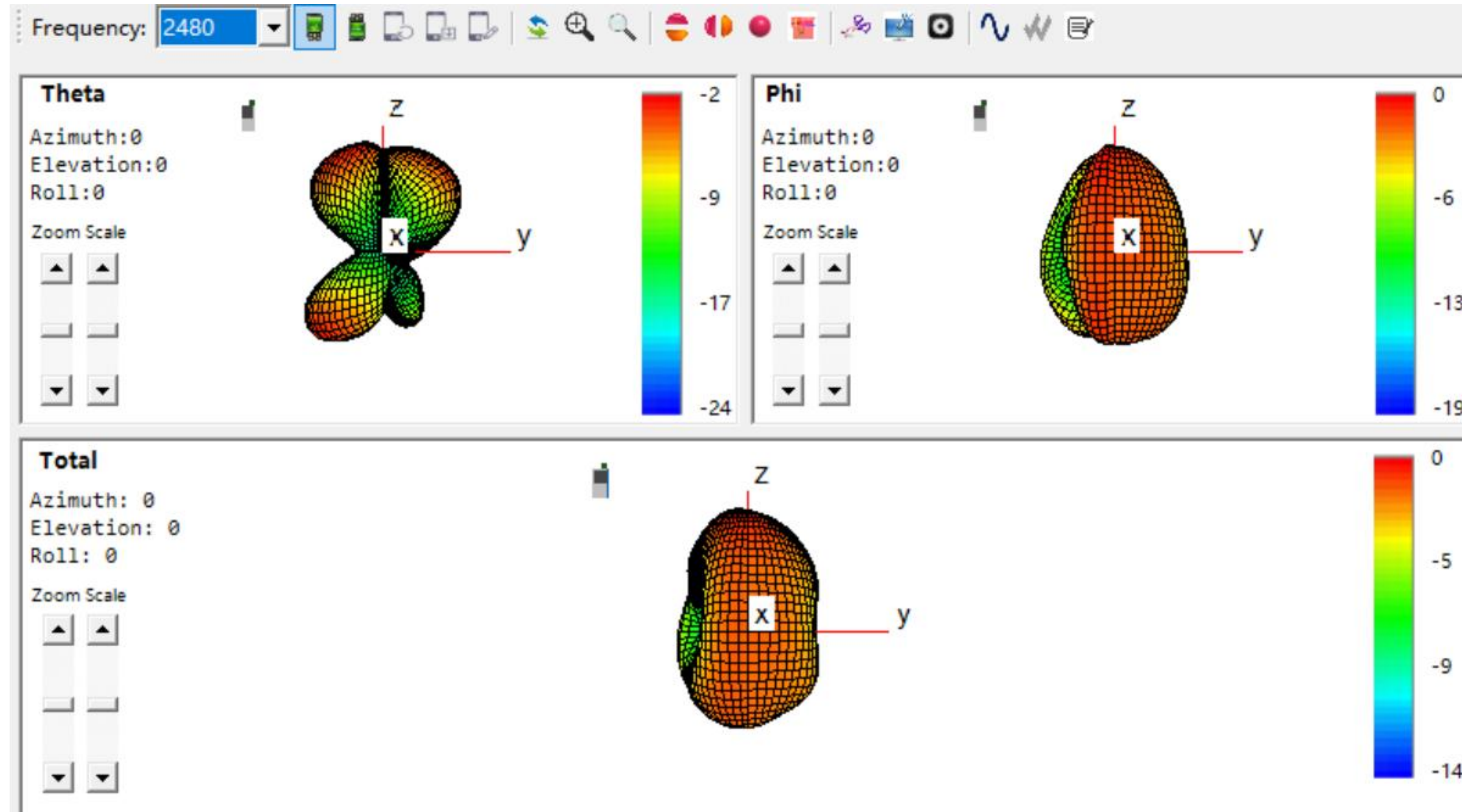
3D Radiation Pattern



3D Radiation Pattern



3D Radiation Pattern



Important Notes



1

Please pay attention to whether the matching in the report is changed and whether the environmental treatment is feasible; This will directly affect the performance of the antenna, if there is any objection, please contact the department in time;

2

If the device has changed materials, updated software, changed environmental treatment, etc., please provide the latest prototype to our company for verification in time;

3

If the device needs to be sent to a third party for verification or inspection, please provide the prototype to our company for testing and verify that it is OK before sending out.
(because the consistency of mainboard, environmental treatment, antenna assembly, etc., will affect the performance deviation of the antenna)



THANKS FOR WATCHING

