

Inpaq Technology(Suzhou) Co., Ltd

Customer: TCL Communication Ltd.

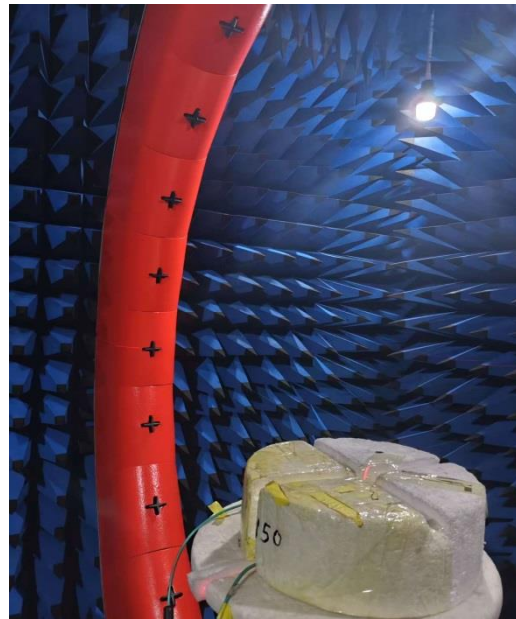
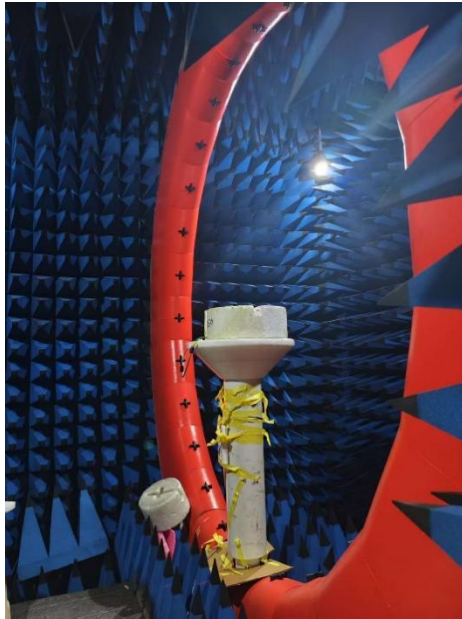
Project name: T522E

Product name: Bamboo Power- 4in1
Antenna

Material: FPC

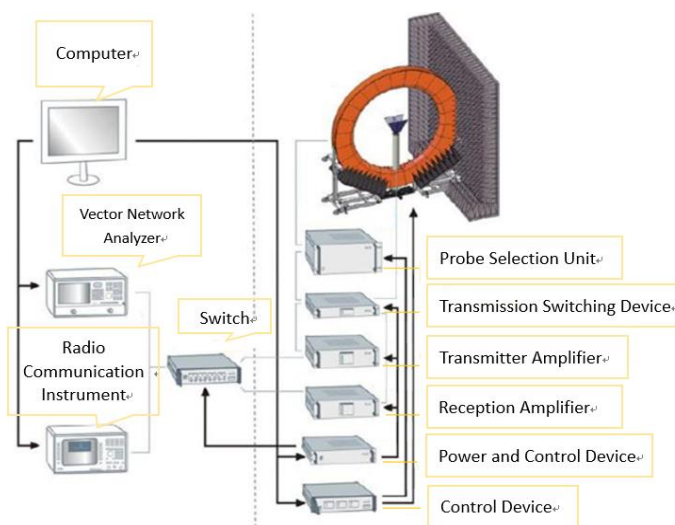
Date: 2025.10.17

1: chamber room introduction and testing scope



The probe model: HD-400(400MHz ~ 8.5GHz) . Because of its capability of broadband frequency and the orthogonal polarization function, the number of probes needed to be equipped with the system is reduced; The small size of the probe reduces the coupling between the probes, make it is possible to insert probes of other frequency bands between probes, then a single system can support a wider frequency range.

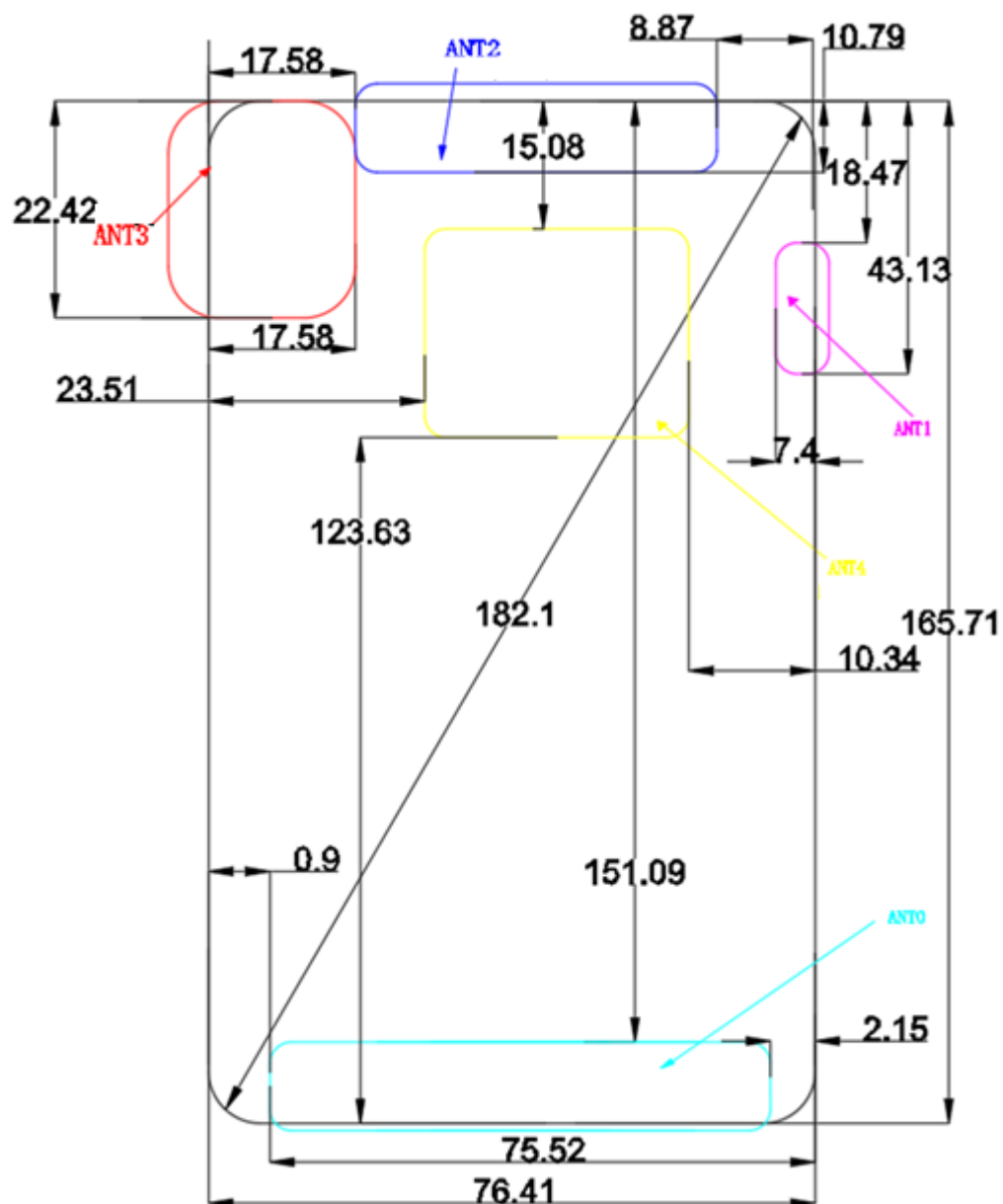
2: test system introduction:



The figure above shows the connection and control process between the darkroom of our company and the testing system and computer. The testing system has the characteristics of accurate, fast and simple testing

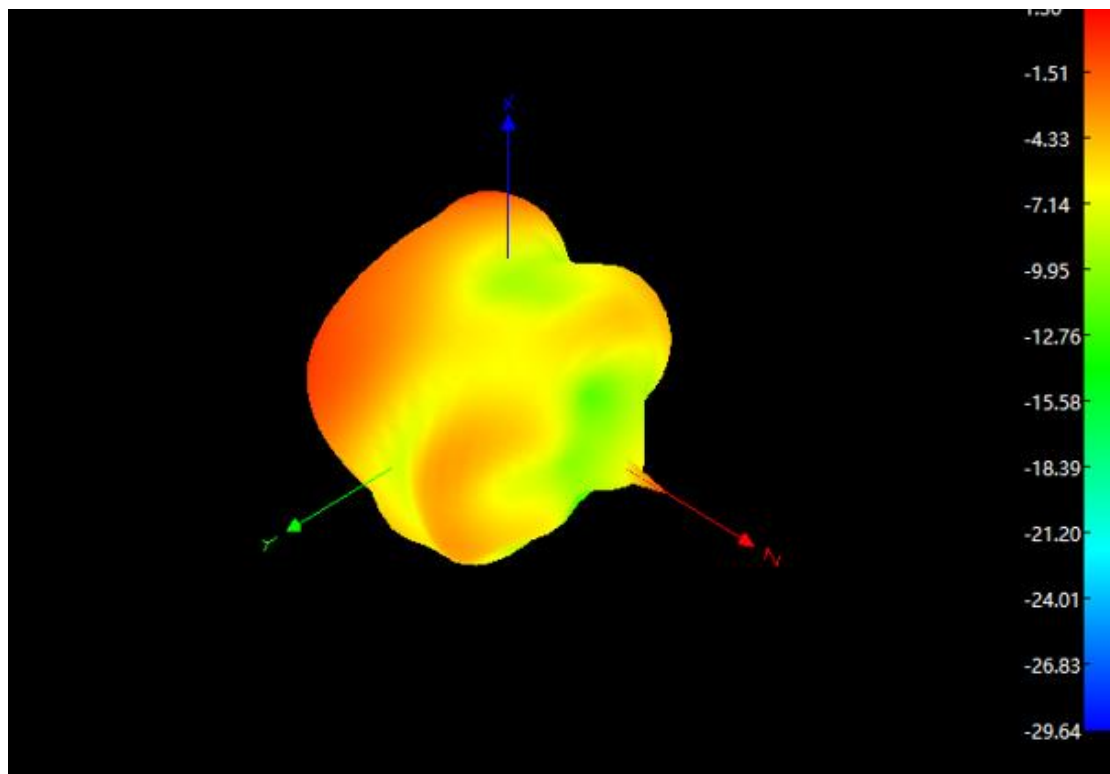
The operation interface is simple and humanized

3: Test result



Antenna placement:

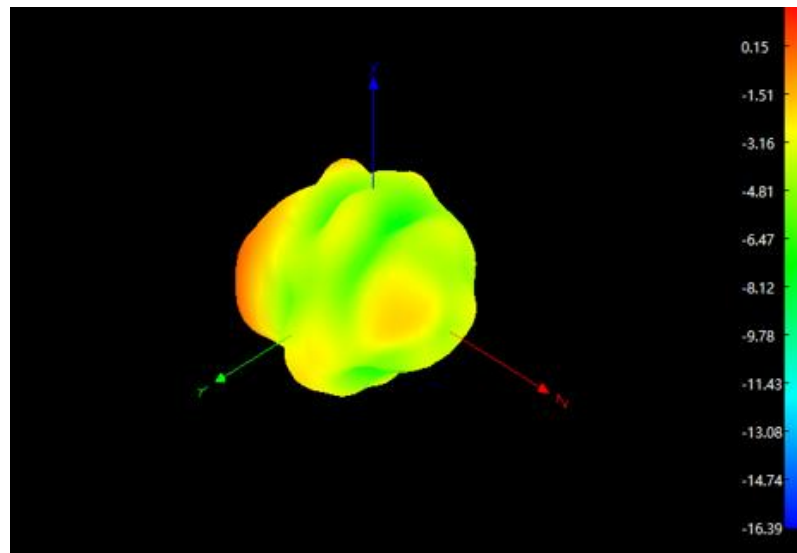
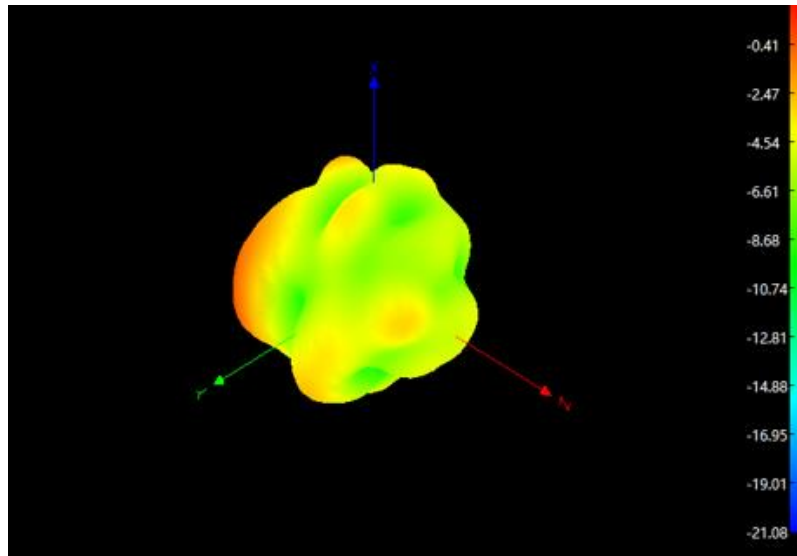
3D Pattern



2.4G WIFI ANT3 (type: FPC antenna)			
Frequency(MHz)	Efficiency	Efficiency(dBi)	Gain(dBi)
2400-2500	28%	-5.49	-0.34

3D Pattern

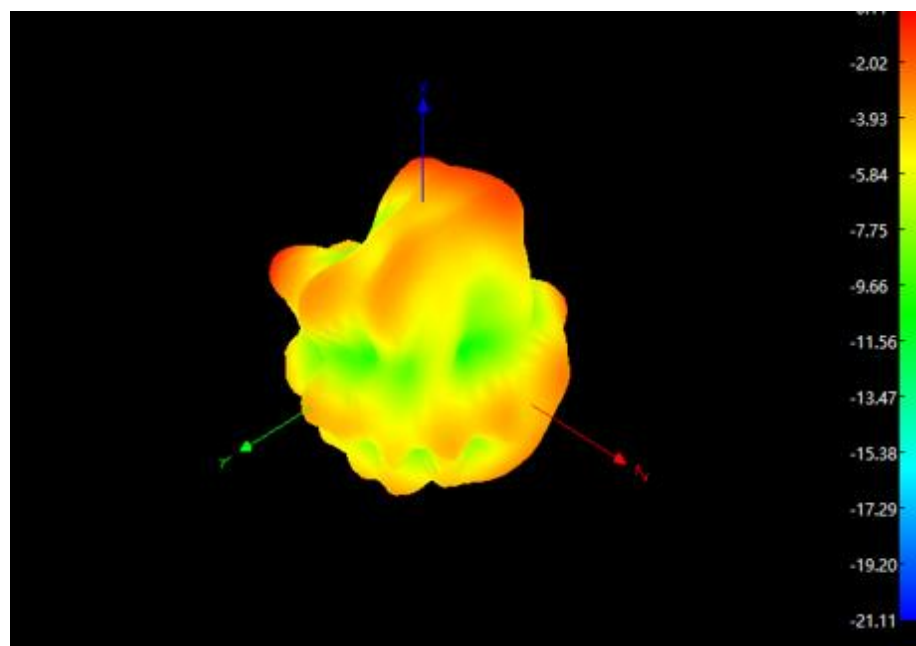
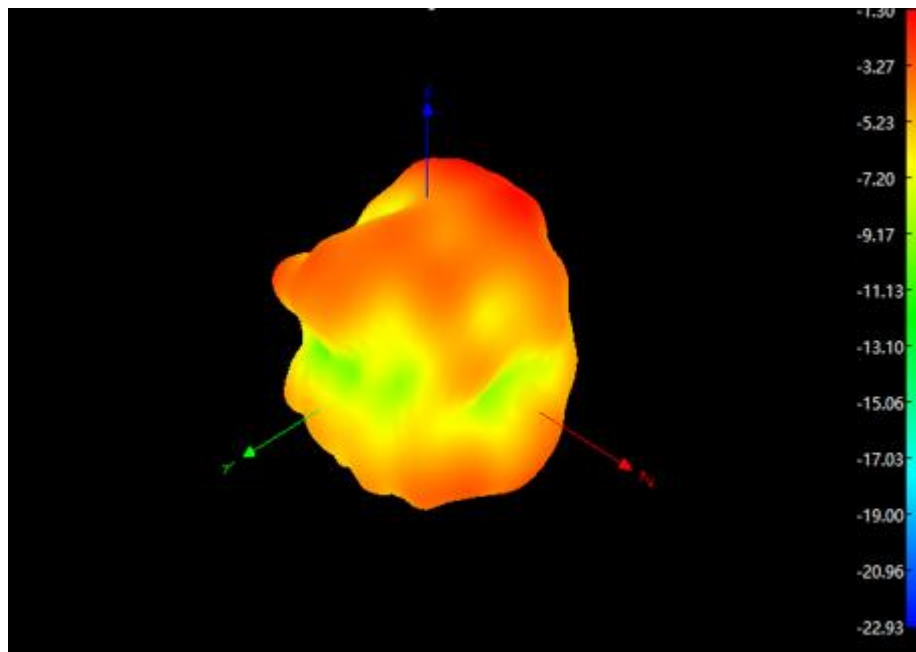
WIFI 2.4G&BT ANT3



5G WIFI ANT 3(type: FPC antenna)			
Frequency(MHz)	Efficiency	Efficiency(dBi)	Gain(dBi)
5150-5850	21%	-6.75	-1.35

3D Pattern

ANT3 WIFI 5G



NFC Antenna type:LOOP

FPC coil Ferrite sheet with dimension43mm*27mm*0.25mm

Test Equipment: KEYSIGHT E5071C.

Equipment Calibration Time: 2025.07.02-2026.07.01.

Antenna Manufacturer: Inpaq Technology(Suzhou) Co., Ltd

Antenna Manufacturer Address: No. 411-2, Zone B, Building 3,

Weige Innovation Park, 99 Su Hong West Road, Suzhou

Industrial Park

Tester: Hong Yao.

Test Date: 2025.10.17