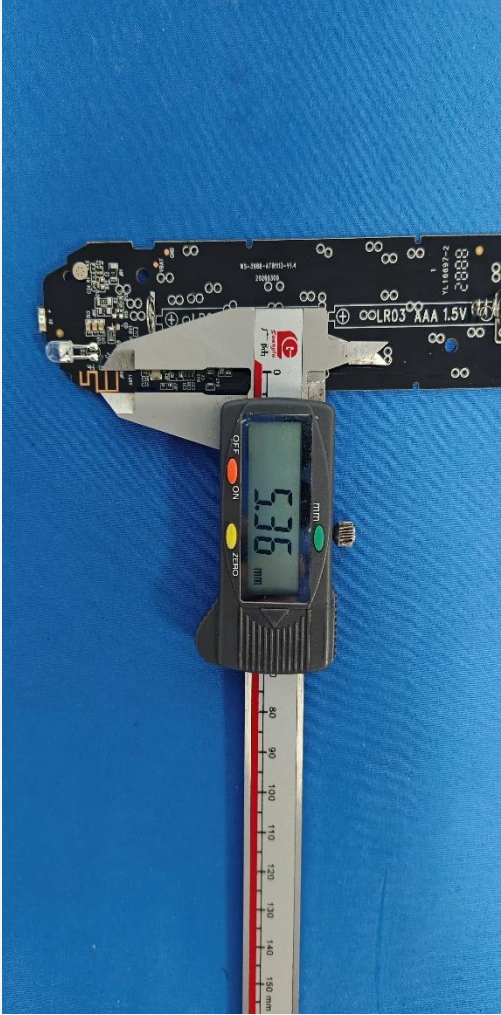
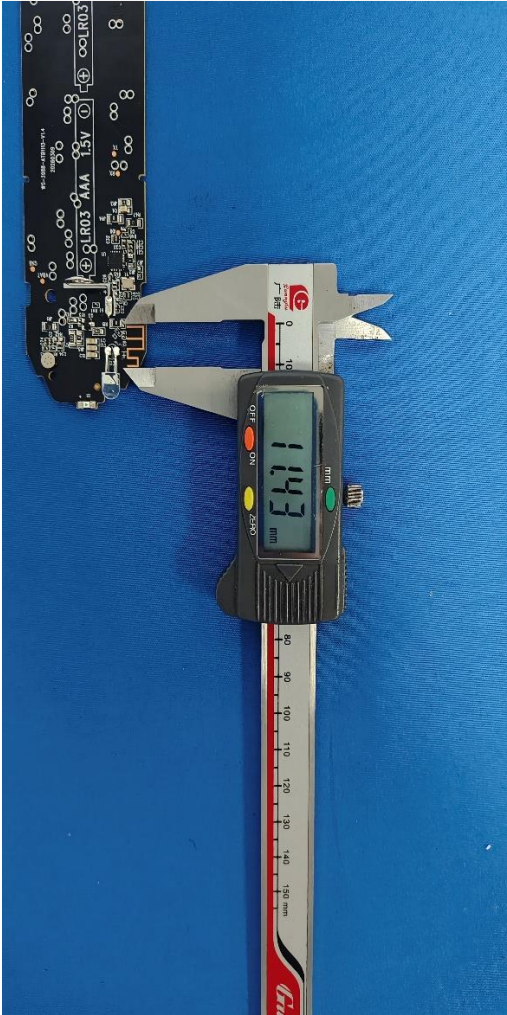


1. Antenna Description:

Antenna type	PCB antenna
Model	RC-50
Frequency range	2402MHz to 2480MHz
Manufacturer	Huizhou Wanzhisheng New Energy Technology CO., LTD
Address	2-3F, 1st Workshop (Jingtai Group), 51 Dongxin Ave, Dongjiang TechPark, Huicheng, Huizhou, China
ANT Peak Gain	-1.8 dBi

2. Antenna Photo:

Length: 11.43mm
Width: 5.36mm



3. Test Equipment & Conditions

3.1 Test instrument

VSWR is tested using Agilent E5071B connected to a hand mechanism, and the status is free space.

3.2 Test environment and methods

Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

WCDMA/GSM/CDMA test equipment: Agilent 8960

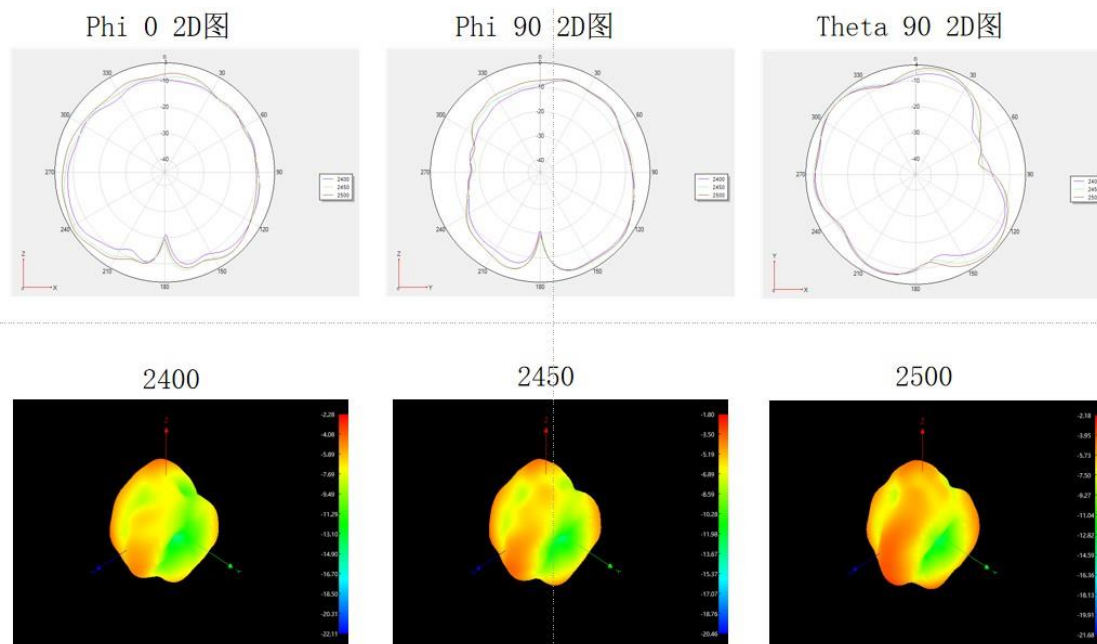
Passive efficiency testing equipment: Agilent Technologies E5071B



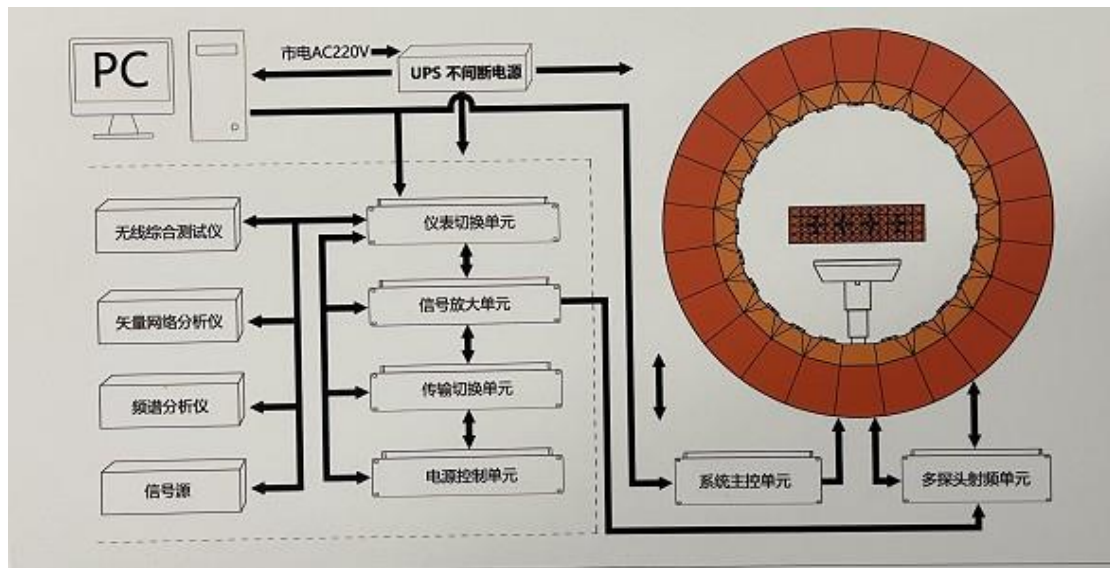
4. Antenna passive test data

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	16.84	-2.28
2410	17.11	-2.59
2420	17.93	-1.91
2430	16.74	-2.06
2440	17.61	-1.92
2450	17.62	-1.8
2460	15.52	-2.45
2470	16.33	-2.22
2480	15.49	-2.29
2490	17.14	-1.87
2500	16.9	-2.18

5. Antenna gain test patterns (2D, 3D) and data



6. Test configuration diagram



7. Test software

