

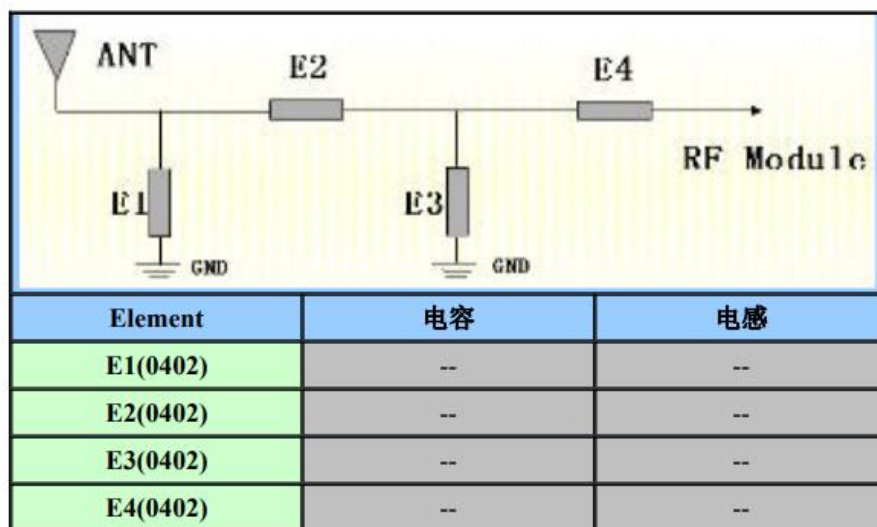
Product performance and specification

1. Project drawing



EQ

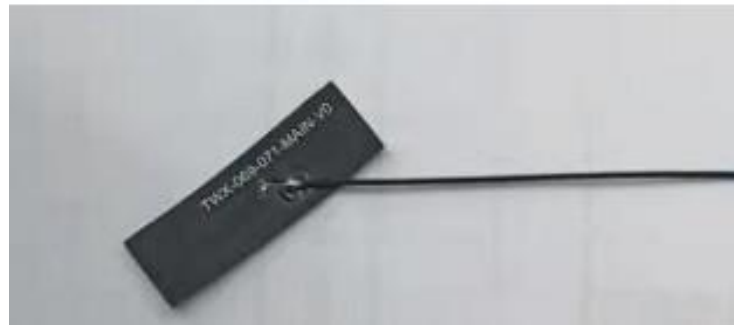
2. Antenna matching pattern



The match says: has the match been changed according to the original motherboard

3. Antenna information

3.1 Electrical specifications and materials of antennas This report mainly provides the test status of the structural performance parameters of the IPC-A antenna.



Physical drawing

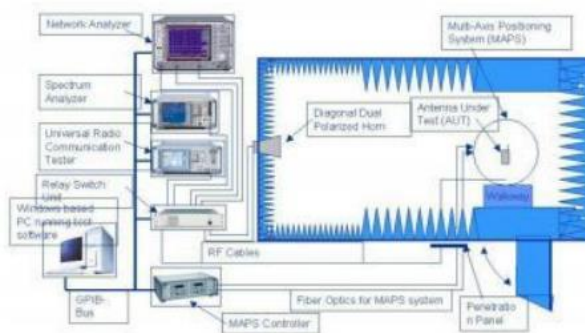
3.2 Antenna form

Implementation type: PIFA antenna material: FPC+ coaxial line

3.3 Working band of antenna design

The antenna operates in the frequency band 2400MHz ~ 2500MHz\ 5100MHz~5900MHz

3.4 Measurement data of Antenna in ETS-SG24SYSTEM 3D Test system



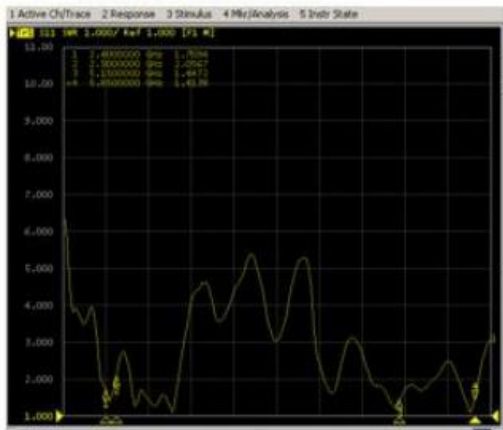
picture (1) ETS test system



picture(2) Three-dimensional positioning device for mobile phone darkroom

3.5 Data of main antenna measured by network analyzer

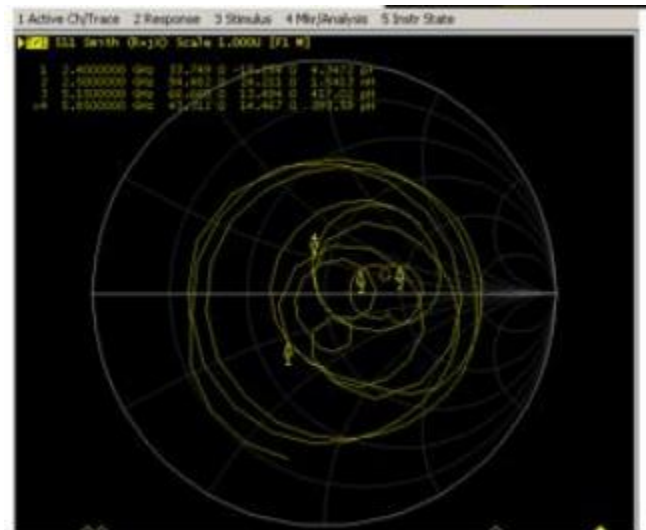




VSWR



Return loss



Smith

3.6 Passive performance index:

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)
1	2410.0	2410.00	3.08	6.03	50.7%
2	2420.0	2420.00	3.02	5.98	50.5%
3	2430.0	2430.00	2.85	5.92	49.4%
4	2440.0	2440.00	2.77	5.91	48.5%
5	2450.0	2450.00	2.96	5.98	49.9%
6	2460.0	2460.00	3.19	6.12	50.9%
7	2470.0	2470.00	3.18	6.22	49.6%
8	2480.0	2480.00	3.46	6.35	51.4%
9	5700.0	5700.00	4.74	7.36	54.7%
10	5710.0	5710.00	4.68	7.40	53.5%
11	5720.0	5720.00	4.72	7.34	54.7%
12	5730.0	5730.00	4.37	7.06	53.7%
13	5740.0	5740.00	4.73	7.45	53.5%
14	5750.0	5750.00	4.96	7.79	52.2%
15	5760.0	5760.00	4.81	7.60	52.6%
16	5770.0	5770.00	4.62	7.46	51.9%
17	5780.0	5780.00	4.97	7.63	54.2%
18	5790.0	5790.00	5.00	7.72	53.5%
19	5800.0	5800.00	5.26	7.81	55.7%