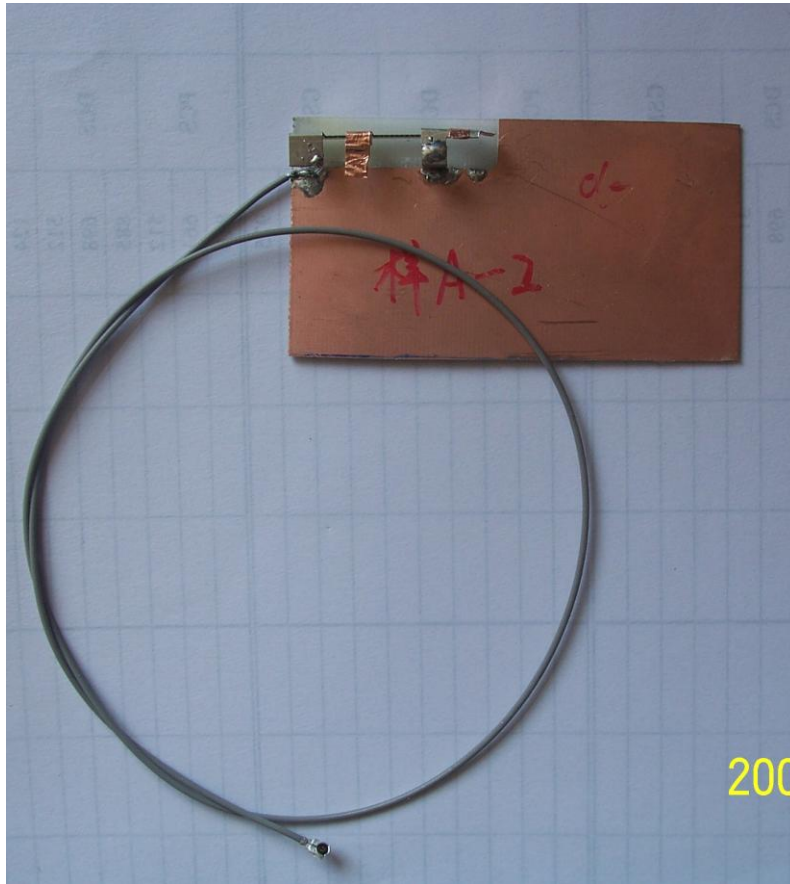


## 1 Summary of the Test results

The test fixture was made for further testing, which was shown below.



## 2. Test Result

### 2.1 RF Performance

#### 2.1.1 S11 Measurement

The S11 parameter was performed using a Hewlett Packard E5071B Network Analyzer. We use a 45cm long 1.13 cable to mitigate surface currents on the outside of the testing cable.

We used no matching circuit .

The S11 parameter was shown below, you could check it.

<b>SUC ANT S11 parameter Summary</b>						
<b>Band</b>	<b>2.3 ~2.7&amp;3.3~3.8&amp;5.15~5.85(GHz)</b>					
	2.3	2.7	3.3	3.8	5.15	5.85
<b>R.L (dB)</b>	-16.59	-11.22	-8.87	-8.96	-8.46	-10.04
<b>VSWR</b>	1.35	1.76	2.13	2.11	2.22	1.92

You could also check in detail in below figures.

**S11 parameter of sample antenna tested in free space**