

Bluetooth Antenna specification&Test report

Yichip Microelectronics ©2014

Manufacturer: Dongguan Yongjia New Technology Co., LTD.

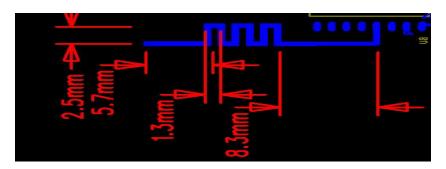
Address: Room 301, No. 271, West Tailong River Road, Shatian Town, Dongguan

City, Guangdong Province

antenna design specification

Antenna dimensions as blow picture show: the material is FR4 and the thickness is 1.6mm of PCB.

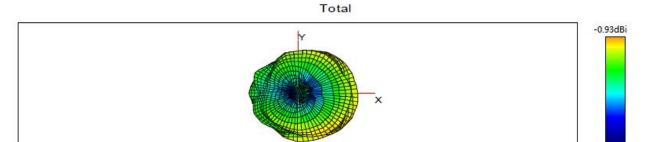
ANT1:



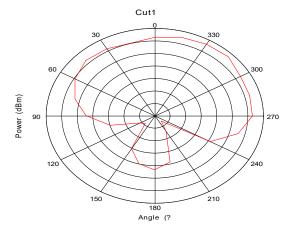
Gian and Efficiency

| Frequency (MHz) | Efficiency(%) | Gain(dBi) |
|--------------------|---------------|-----------|
| 2300 | 13.17 | -1.57 |
| 2320 | 19.08 | -0.76 |
| 2340 | 22.65 | -0.41 |
| 2360 | 22.62 | -0.12 |
| 2380 | 18.03 | -0.42 |
| 2400 | 14.86 | -0.93 |
| 2420 | 12.54 | -1.17 |
| 2440 | 9.92 | -2.03 |
| 2460 | 7.46 | -2.47 |
| 2480 | 6.11 | -2.98 |
| 2500 | 5.39 | -3.83 |

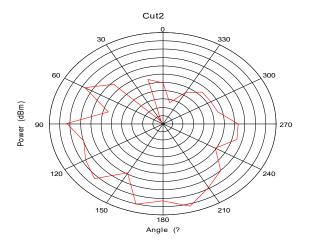
3D and 1D Radiation Patterns



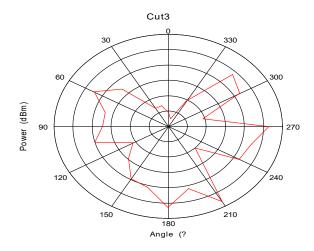
2400MHz



Max: -2 Min: -16 Scale: 2/div



Max: 0 Min: -22 Scale: 2/div



Max: -2 Min: -14 Scale: 2/div