



Bluetooth Antenna  
specification&Test report

Model:BT-1502

Yichip Microelectronics

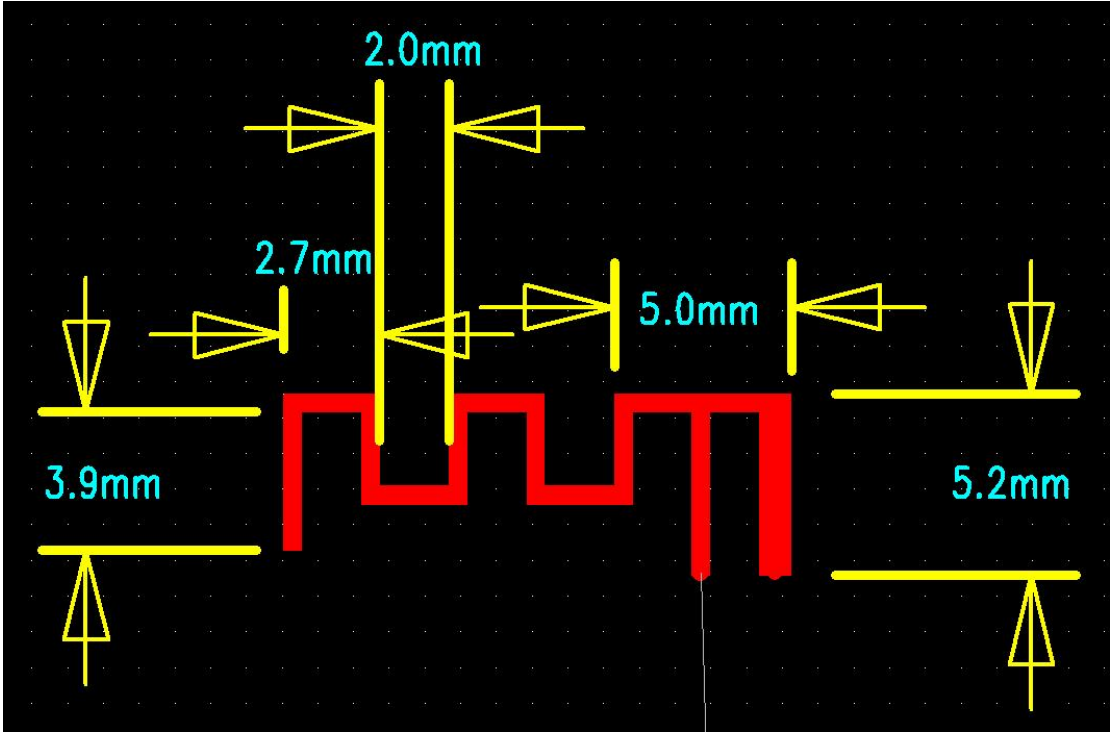
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antenna design specification

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

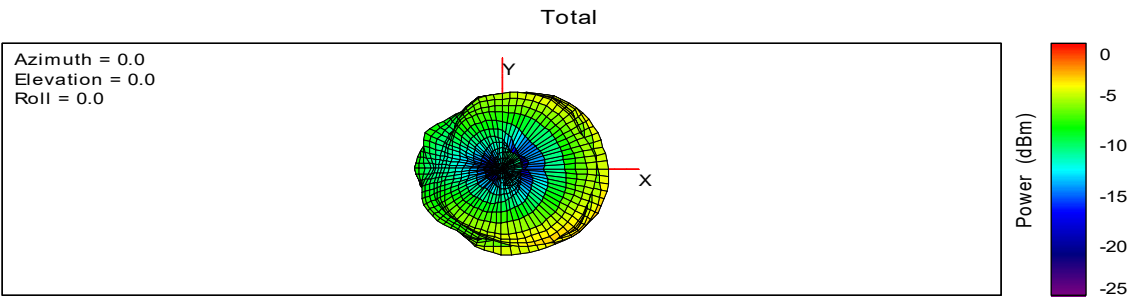
ANT1:



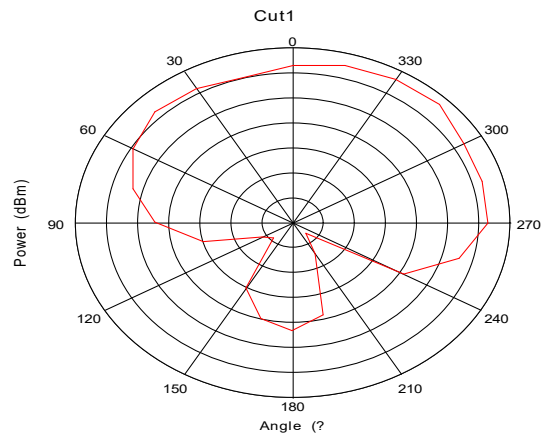
Gian and Efficiency

| Frequency (MHz) | Efficiency(%) | Gain(dBi) |
|-----------------|---------------|-----------|
| 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     |

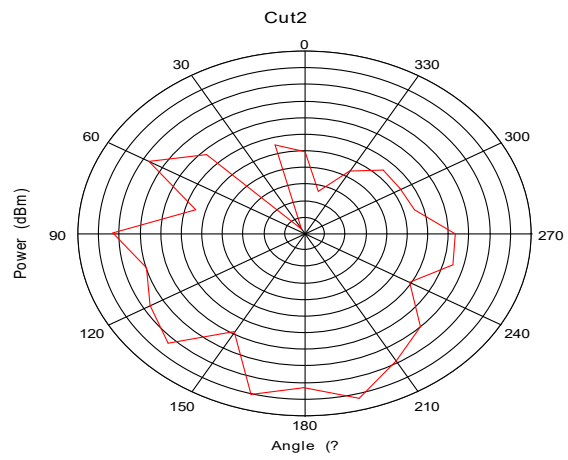
3D and 1D Radiation Patterns



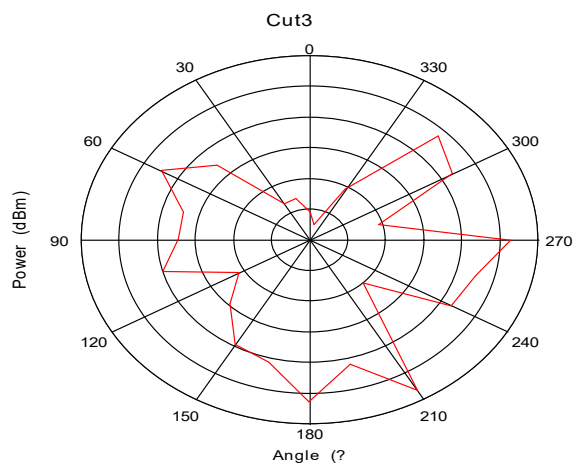
2440M TRP 1



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



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



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