



Bluetooth Antenna
specification&Test report

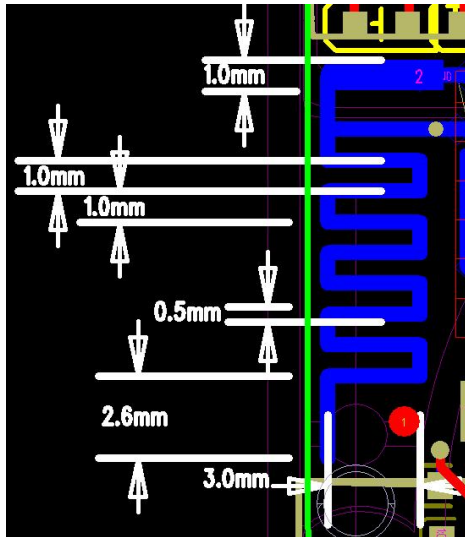
Yichip Microelectronics

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| | |
|-----------------|--|
| Test Company | TA Technology (Shanghai) Co., Ltd. |
| Test Address | Building 1, No. 400, Fangchun Road, China (Shanghai) Pilot Free Trade Zone |
| Test Date | 2020/7/24 |
| Test Instrument | Keysight E5071B |

antenna design specification

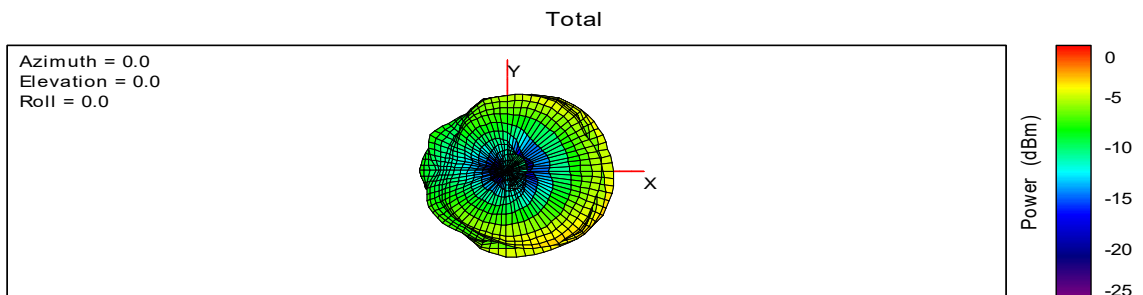
Antenna dimensions as blow picture show: the material is FR4 and the thickness is 1.6mm of PCB.



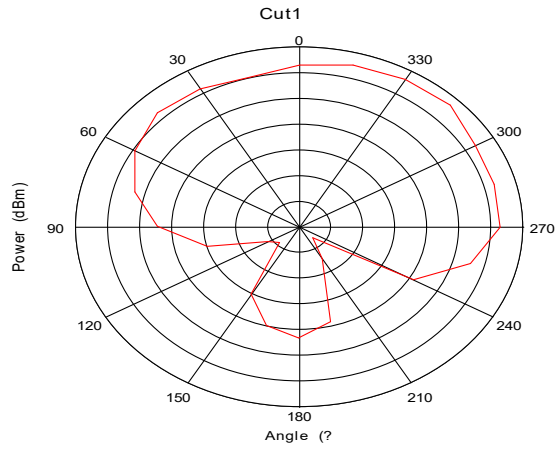
Gain and Efficiency

| Frequency (MHz) | Efficiency(%) | Gain(dBi) |
|-----------------|---------------|-----------|
| 2402 | 14.86 | -0.93 |
| 2420 | 12.54 | -1.17 |
| 2440 | 9.92 | -2.03 |
| 2460 | 7.46 | -2.47 |
| 2480 | 6.11 | -2.98 |

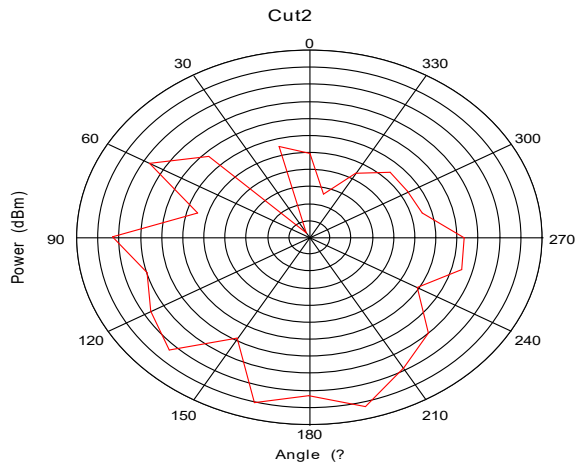
3D and 1D Radiation Patterns



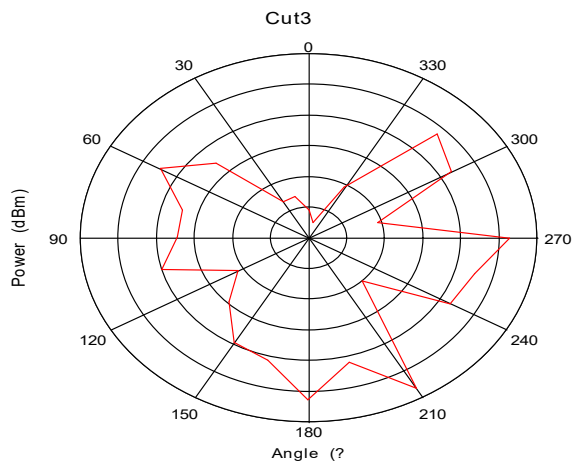
2440M TRP 1



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



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



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