



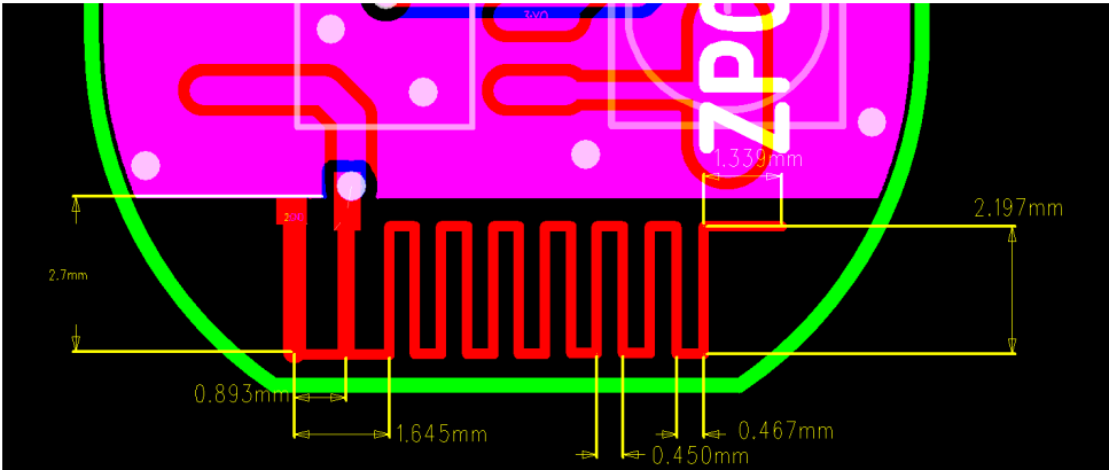
Bluetooth Antenna  
specification&Test report

Yichip Microelectronics  
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Test Ccompany	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

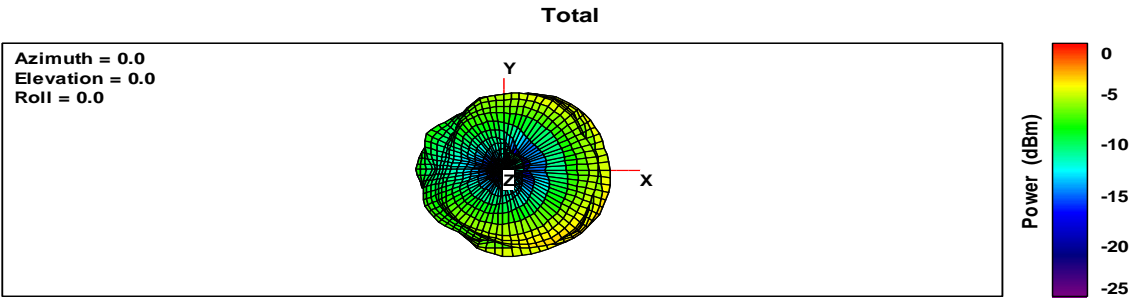
Antenna dimension show as the picture blow, 0.8mm of FR4 epoxy with 2 layers of 0.035mm copper.



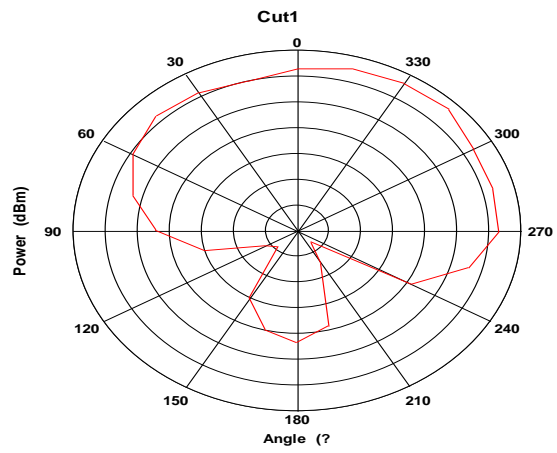
### Gian and Efficiency

Frequency (MHz)	Efficiency(%)	Gain(dBi)
2402	14.86	1.5
2420	12.54	-0.17
2440	9.92	-1.03
2460	7.46	-0.47
2480	6.11	-0.98

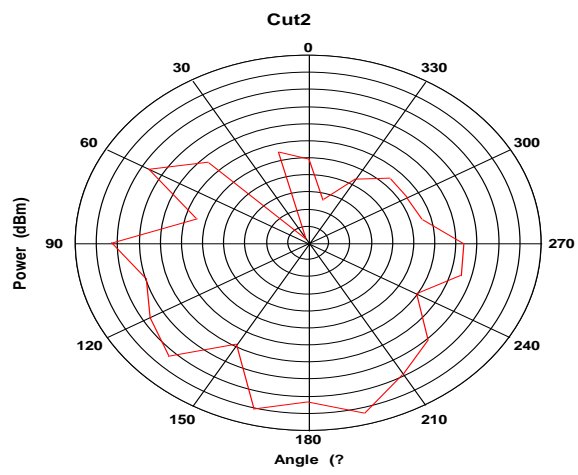
### 3D and 1D Radiation Patterns



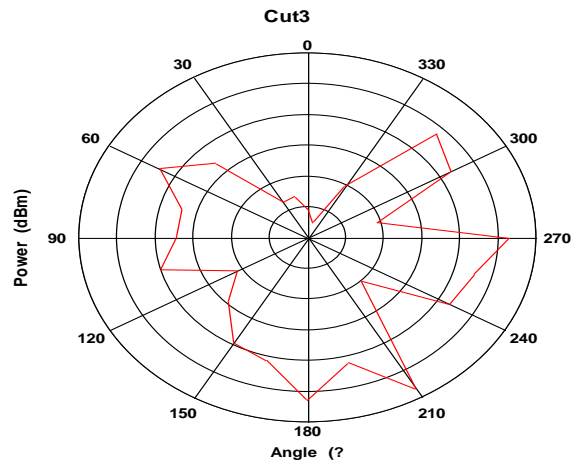
2440M TRP 1



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



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



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