



Bluetooth Antenna specification

Yichip Microelectronics
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Manufacturer Information

名称：红基智能技术（深圳）有限公司

Hongji Intelligent Technology (Shenzhen) Co., LTD

地址：深圳市龙岗区布吉甘坑秀峰工业城A3栋6楼

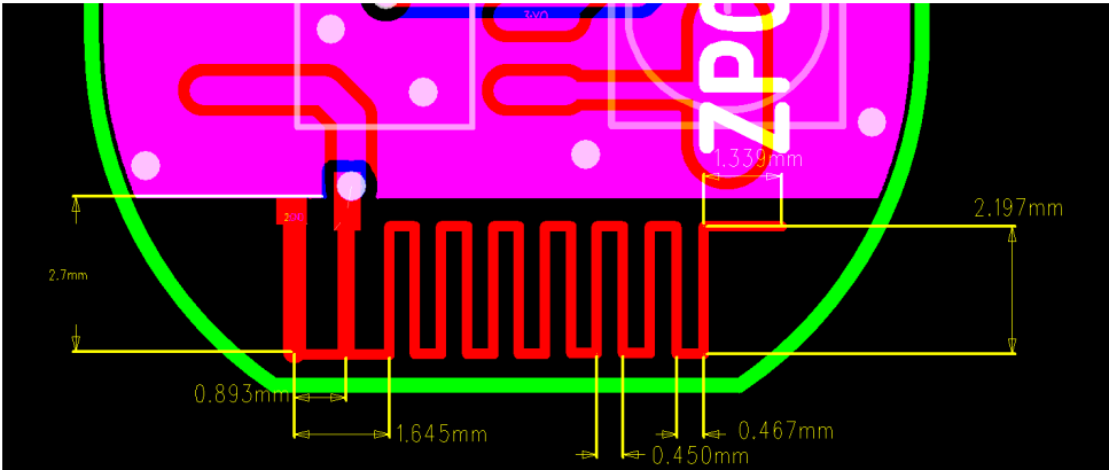
6th Floor, Building A3, Xiufeng Industrial City, Gankeng, Buji, Longgang District, Shenzhen City, China

Model: PCB ANT

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

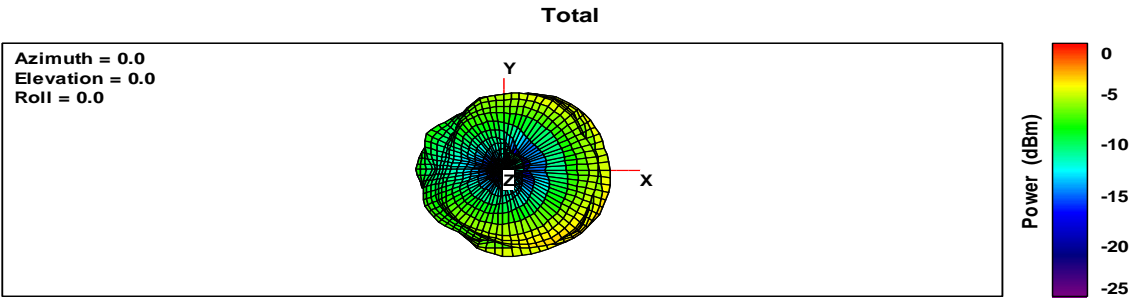
Antenna dimension show as the picture blow, 0.8mm of FR4 epoxy with 2 layers of 0.035mm copper.



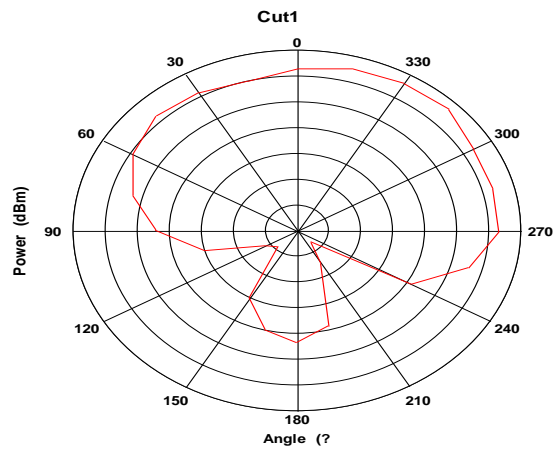
Gian and Efficiency

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

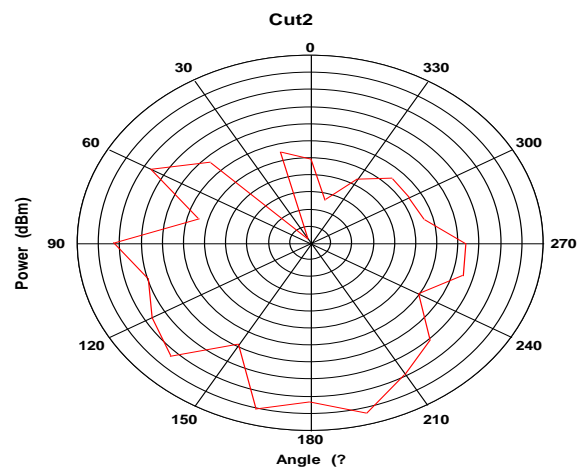
3D and 1D Radiation Patterns



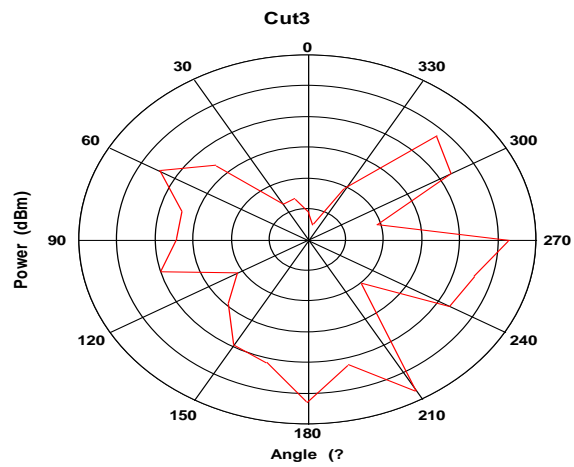
2440M TRP 1



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



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



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