



Bluetooth Antenna specification&Test report

Yichip Microelectronics

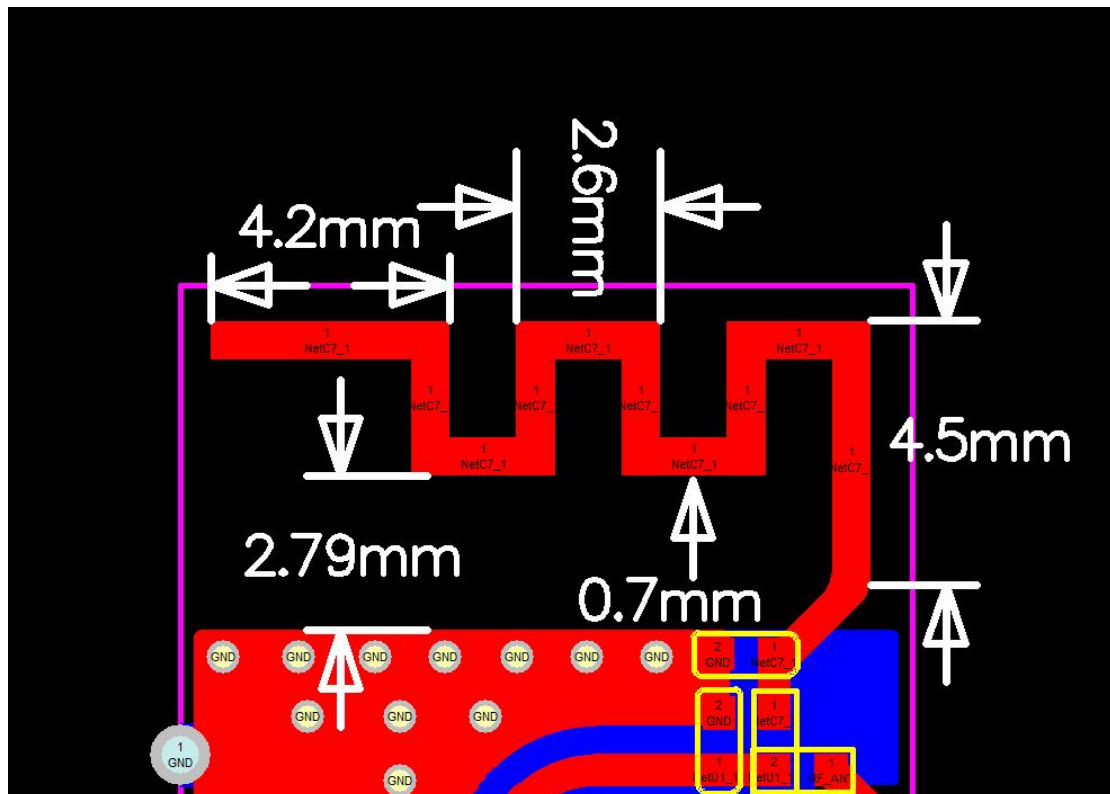
Address: Building 1, No. 5500 Yuanjiang Road, Minhang District, Shanghai, China

Test Ccompany	TA Technology (Shanghai) Co., Ltd.
Test Address	Building 1, No. 400, Fangchun Road, China (Shanghai) Pilot Free Trade Zone
Test Date	2023/7/10
Test Instrument	Keysight E5071B

antenna design specification

Antenna dimensions as blow picture show: the material is FR4 and the thickness is 0.8mm of PCB.

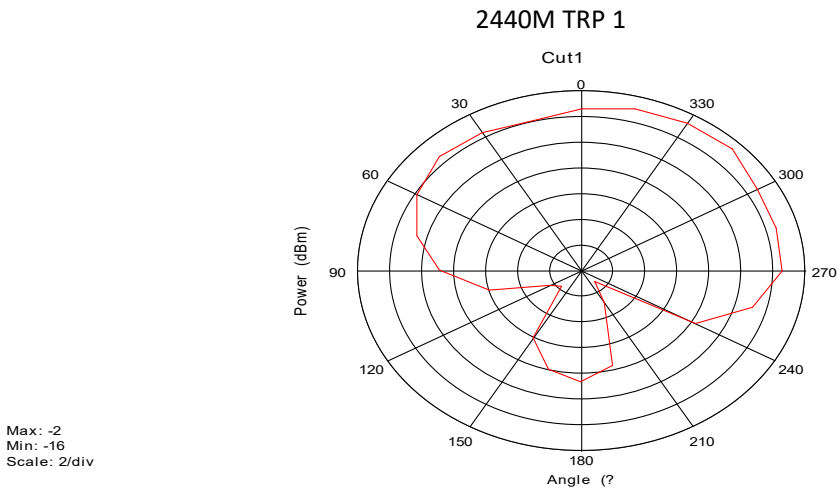
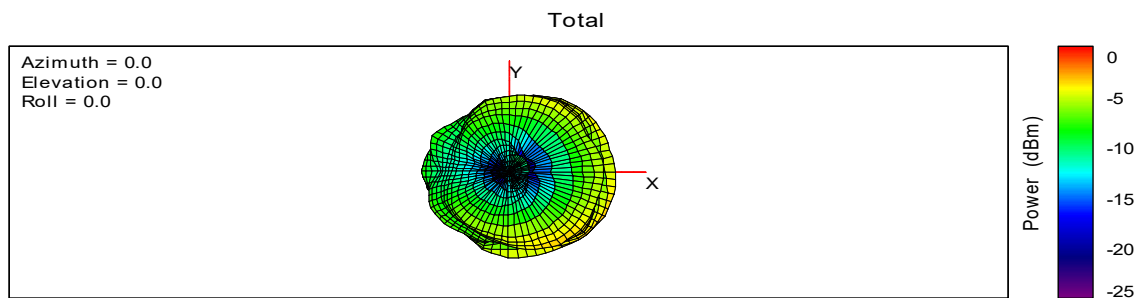
ANT1:

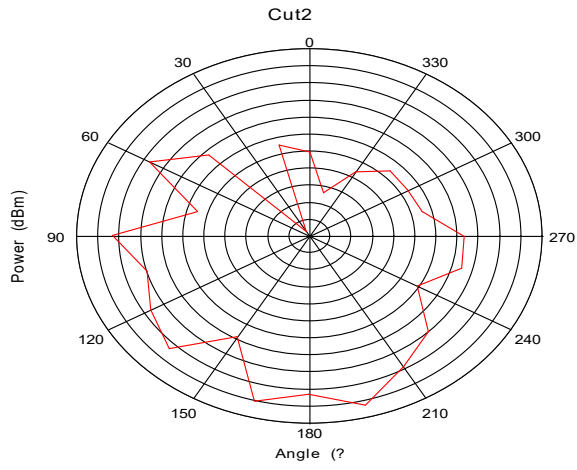


Gian and Efficiency

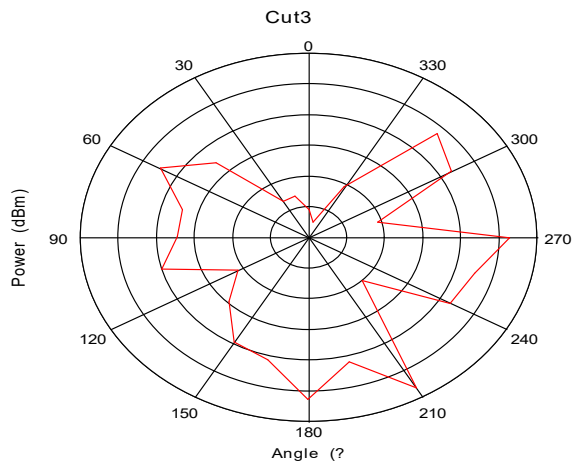
Frequency (MHz)	Efficiency(%)	Gain(dBi)
2300	13.17	-1.57
2320	19.08	-0.76
2340	22.65	-0.41
2360	22.62	-0.12
2380	18.03	-0.42
2400	14.86	-0.93
2420	12.54	-1.17
2440	9.92	-2.03
2460	7.46	-2.47
2480	6.11	-2.98
2500	5.39	-3.83

3D and 1D Radiation Patterns





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



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