

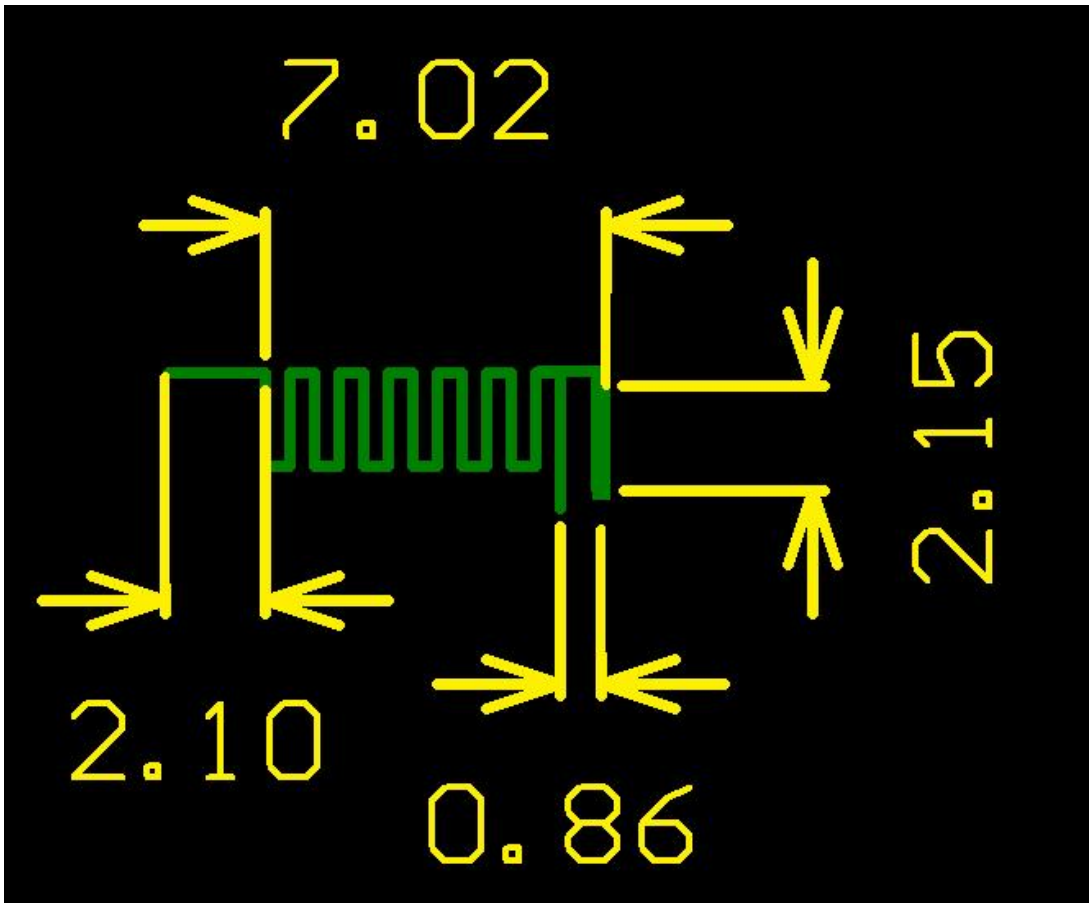
XS-TECH

2. 4G PCB Antenna

Test Ccompany	TA Technology (Shanghai) Co., Ltd.
Test Address	Building 1, No. 400, Fangchun Road, China (Shanghai) Pilot Free Trade Zone
Manufacturer	DOWELLIN TOYS FACTORY
Address	1 Road FengXin ChengHai District, ShanTou City, GuangDong, China
Test Date	2020/7/24
Test Instrument	Keysight E5071B

antenna design specification

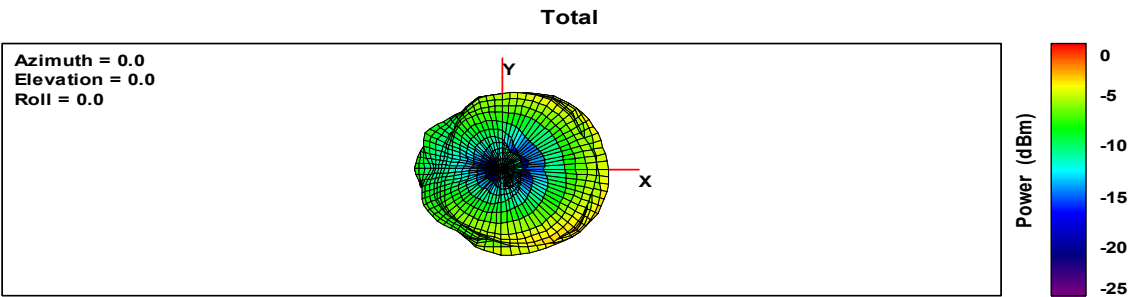
Antenna dimensions as blow picture show: the material is FR4 and the thickness is 1.0mm of PCB.



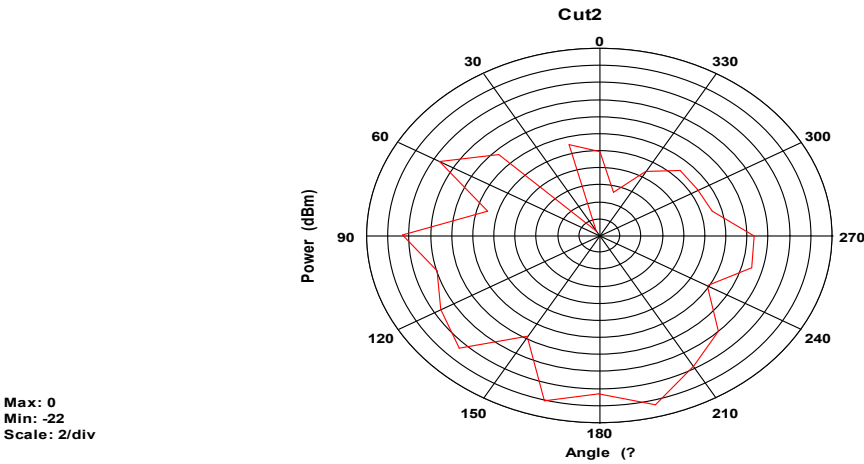
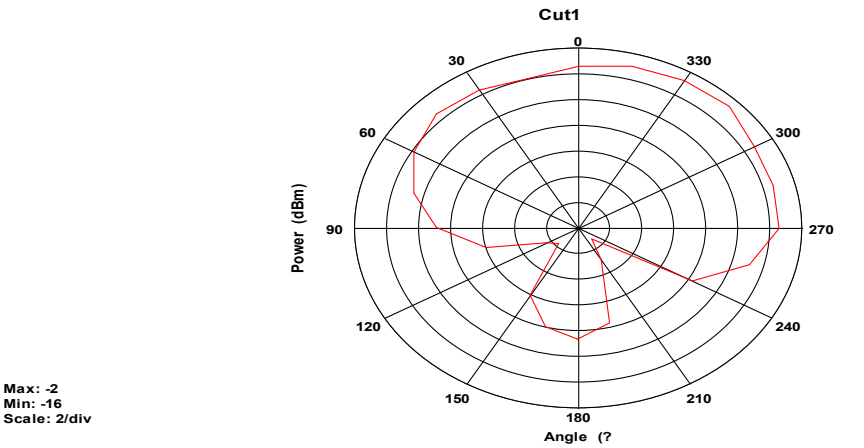
Gian and Efficiency

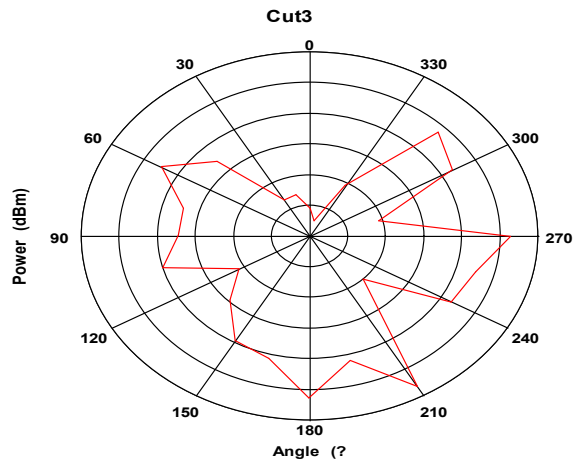
Frequency (MHz)	Efficiency(%)	Gain(dBi)
2402	14.86	-0.93
2420	12.54	-1.17
2440	9.92	-2.03
2460	7.46	-2.47
2480	6.11	-2.98

3D and 1D Radiation Patterns



2440M TRP 1





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