

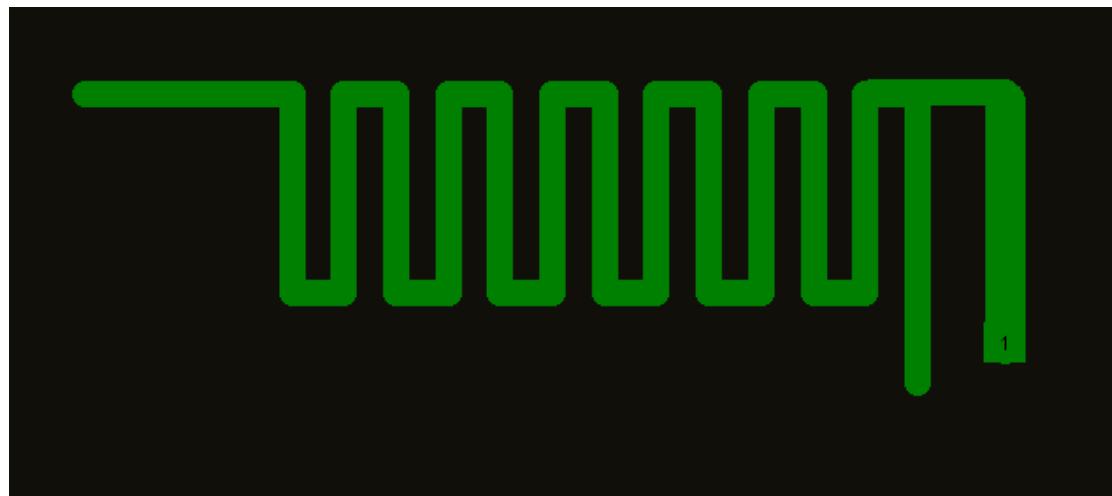
# Antenna design specification

## 2. 4G PCB Antenna

Manufacturer:	QILUN TOYS FACTORY
Address of manufacturer:	LONGTIAN IDUSTRIAL PARK, GUANGYI STREET CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA
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 1.0mm 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

