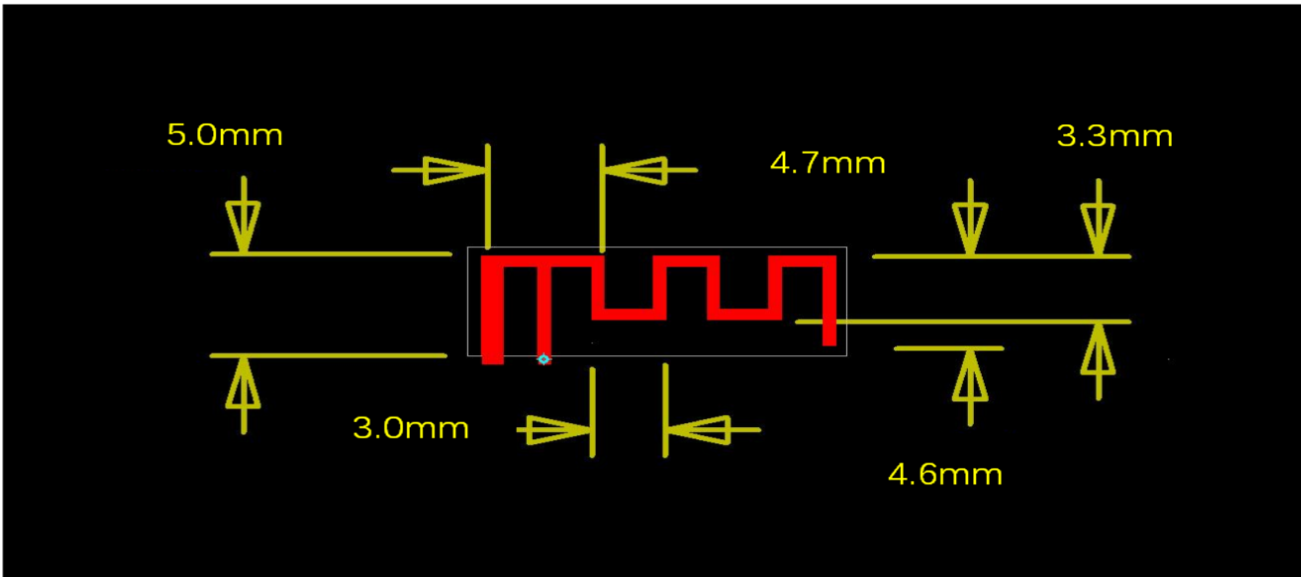


Antenna describe

1. Antenna describe:	
Anetenna plate	PCB antenna
Make name/model name	2. 4G_PCB_SPP200
Anetenna gain	0.68dBi
frequency range	2. 4GHz-2. 5GHz
Connector type	direct
Location of mearement (company name)	

2、 External view drawing:

Picture of antenna



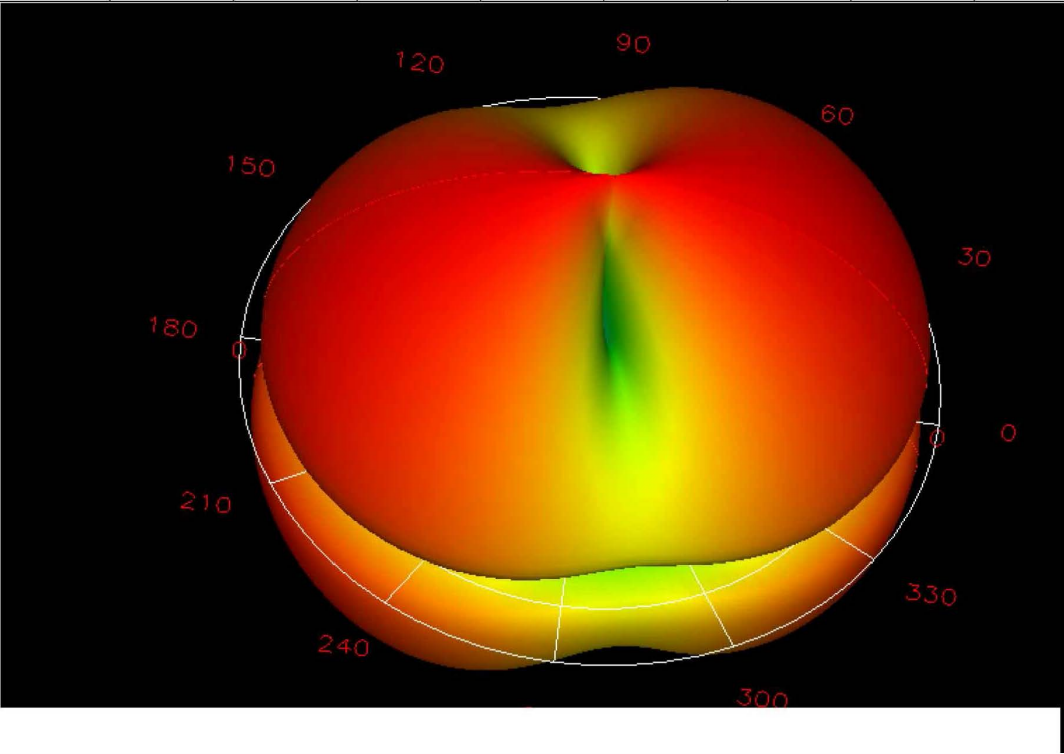
Manufacturer:Shenzhen 9starts Technology Co.,Ltd
3201D, Hongfa Xiyue Building, 111 Chuangye 2nd Road, 27 District, D
alang Community, Xin 'an Street, Bao 'an District, Shenzhen.

3. Antenna Radiation Pattern

Radiation pattern@2.400GHZ

Total Average Gain:-0.475dbi

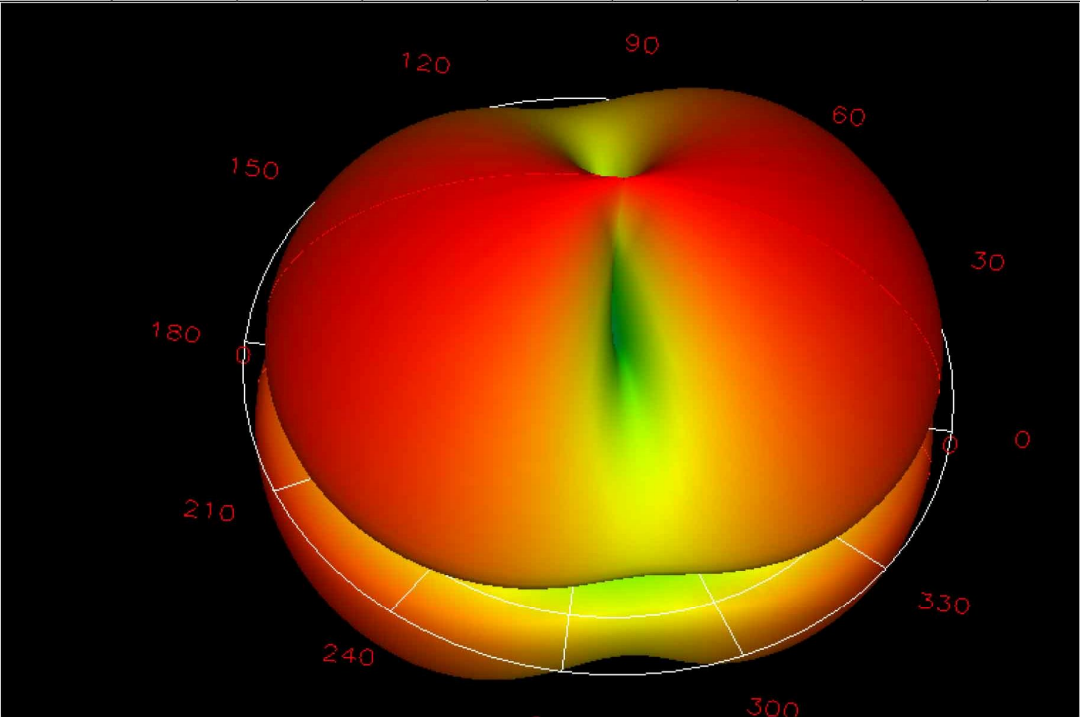
Phi	0	45	90	135	180	235	270	315
Gain	-0.1	-0.3	-0.8	-0.5	-0.2	-0.6	-0.8	-0.5



Radiation pattern@2.441GHZ

Total Average Gain:-0.275dbi

Phi	0	45	90	135	180	235	270	315
Gain	0	-0.1	-0.3	-0.6	-0.1	-0.2	-0.6	-0.4



Radiation pattern@2.500GHZ

Total Average Gain:-0.237dbi

Phi	0	45	90	135	180	235	270	315
Gain	0	-0.1	-0.2	0.68	0	-0.3	-0.6	-0.2

