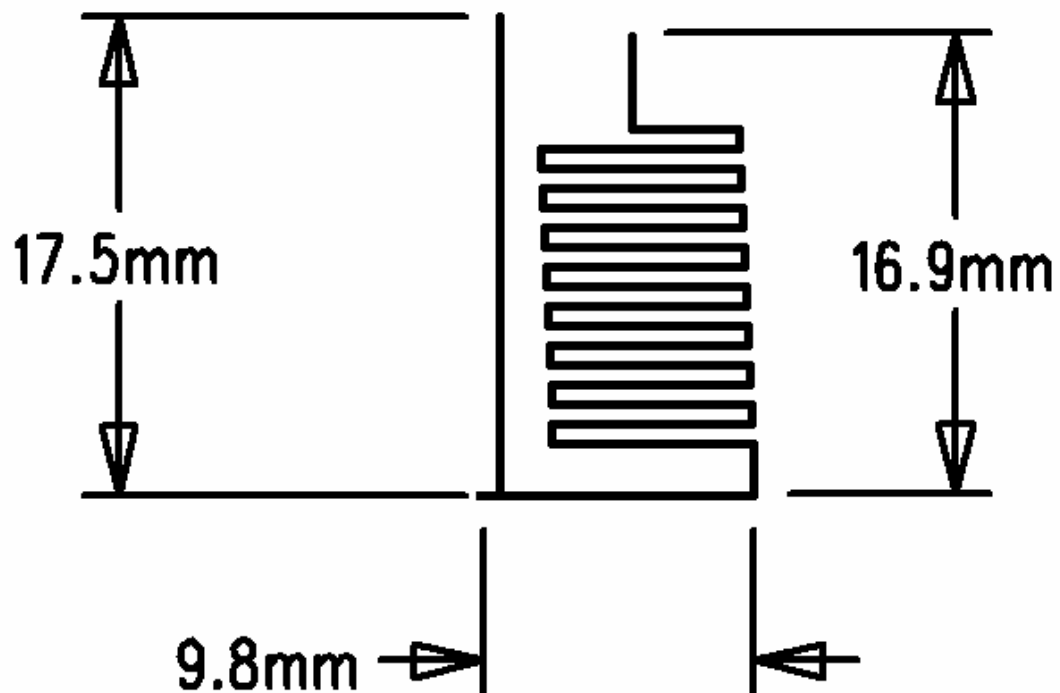


1. Antenna Description

Antenna plate	PCB antenna
Market name/Model name	2.4G pcb antenna
Antenna Max. Gain	0.45dBi
Frequency Range	2400.0-2480.0MHz
Connect Type	Integer antenna
VSWR	1.1

2. Picture of antenna

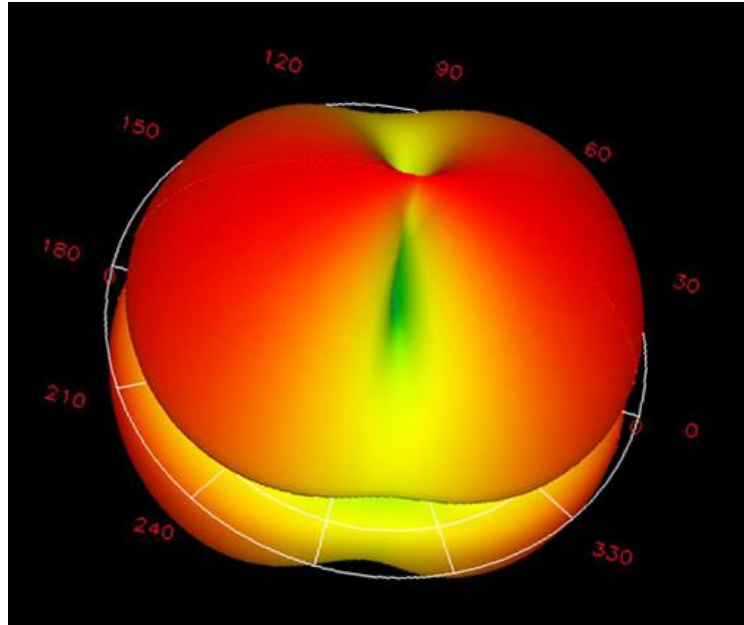


3. Antenna Radiation Pattern

Radiation pattern--2.402GHz

Total Average Gain: -0.12dBi

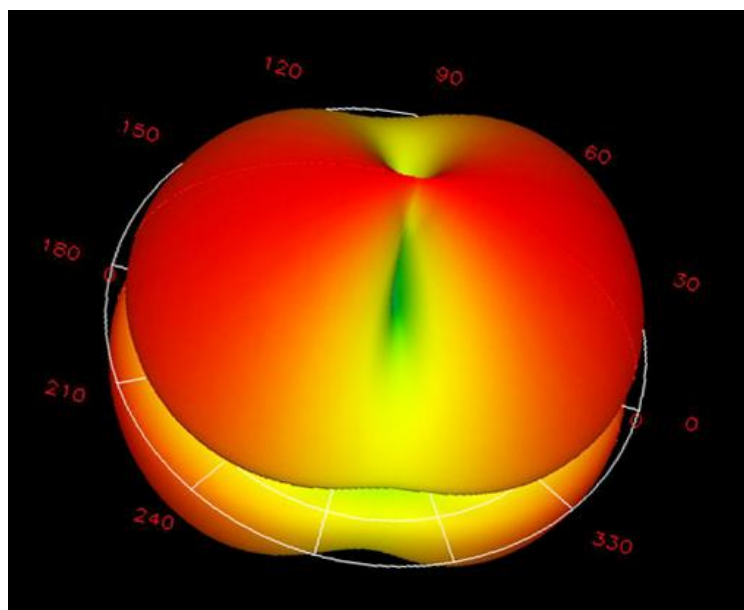
Phi	0	45	90	135	180	235	270	315
Gain	-0.11	0.28	-0.21	-0.13	-0.05	-0.23	-0.34	-0.2



Radiation pattern--2.441GHz

Total Average Gain: -0.03dBi

Phi	0	45	90	135	180	235	270	315
Gain	0.14	0.45	-0.37	0.12	0.09	-0.23	-0.31	-0.13



Radiation pattern--2.480GHz Radiation pattern--2.480GHz

Total Average Gain: -0.09dBi

Phi	0	45	90	135	180	235	270	315
Gain	-0.11	0.21	-0.10	-0.11	-0.08	-0.13	-0.24	-0.18

