

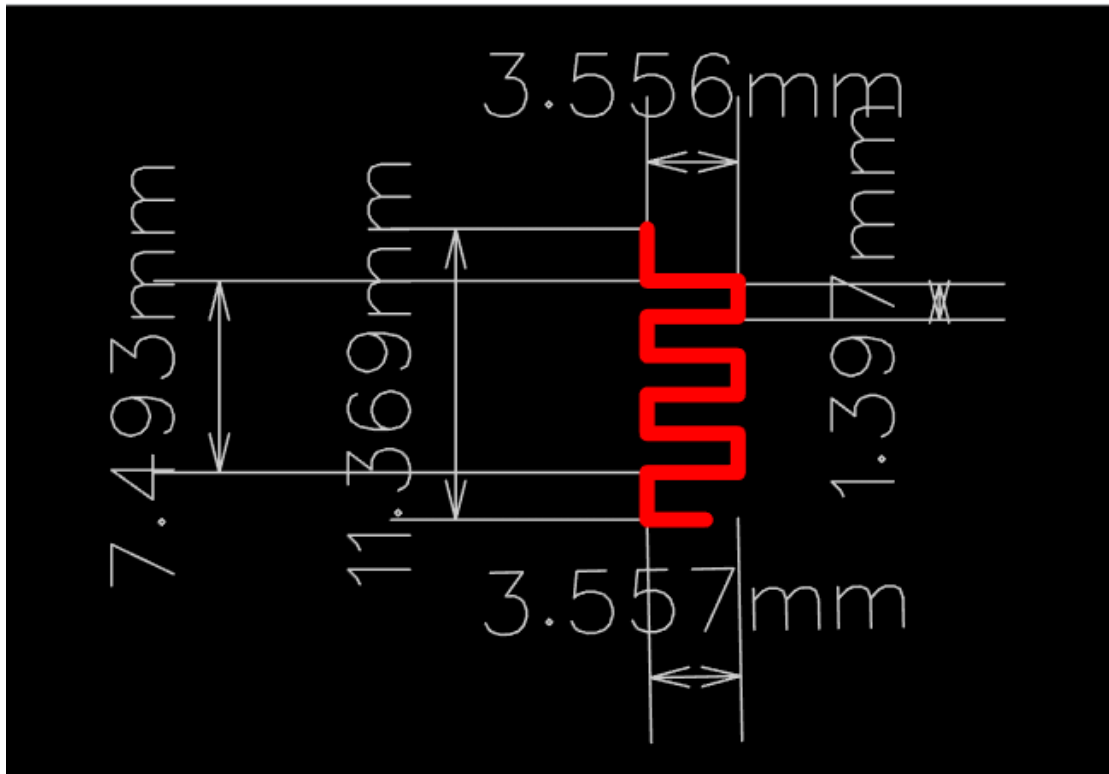
Antenna describe

1. Antenna describe:

Antenna plate	PCB ANTENNA
Make name/model name	HD-002
Antenna gain	0dBi
Frequency range	2.4GHZ-2.483GHZ
Connector type	direct
Manufacturer Name:	Shenzhen Constantsino Electronic Technology Co., LTD
Manufacture Address:	1201, 12th Floor, Dahong Science and Technology Innovation Park, 48 Xinyu Road, Xinqiao Street, Baoan District, Shenzhen

2. External view drawing:

Picture of antenna

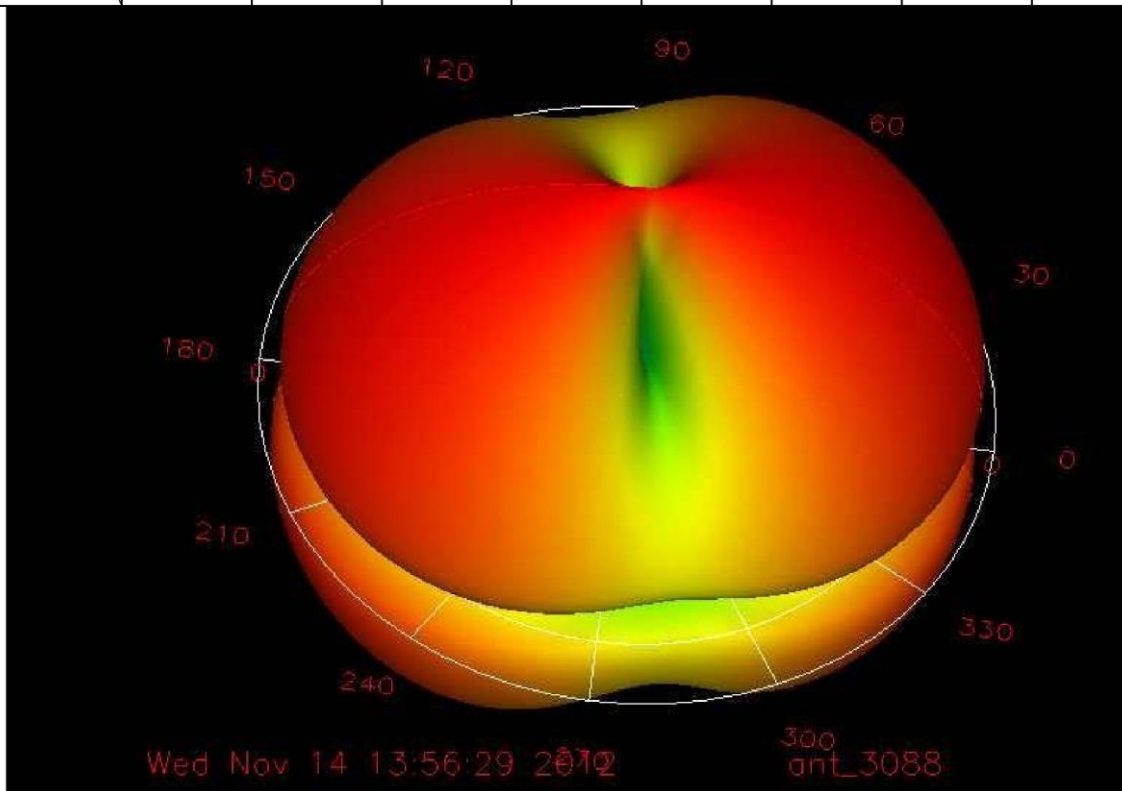


3. Antenna Radiation Pattern

Radiation pattern@2.402GHZ

Total Average Gain:-0.475dbi

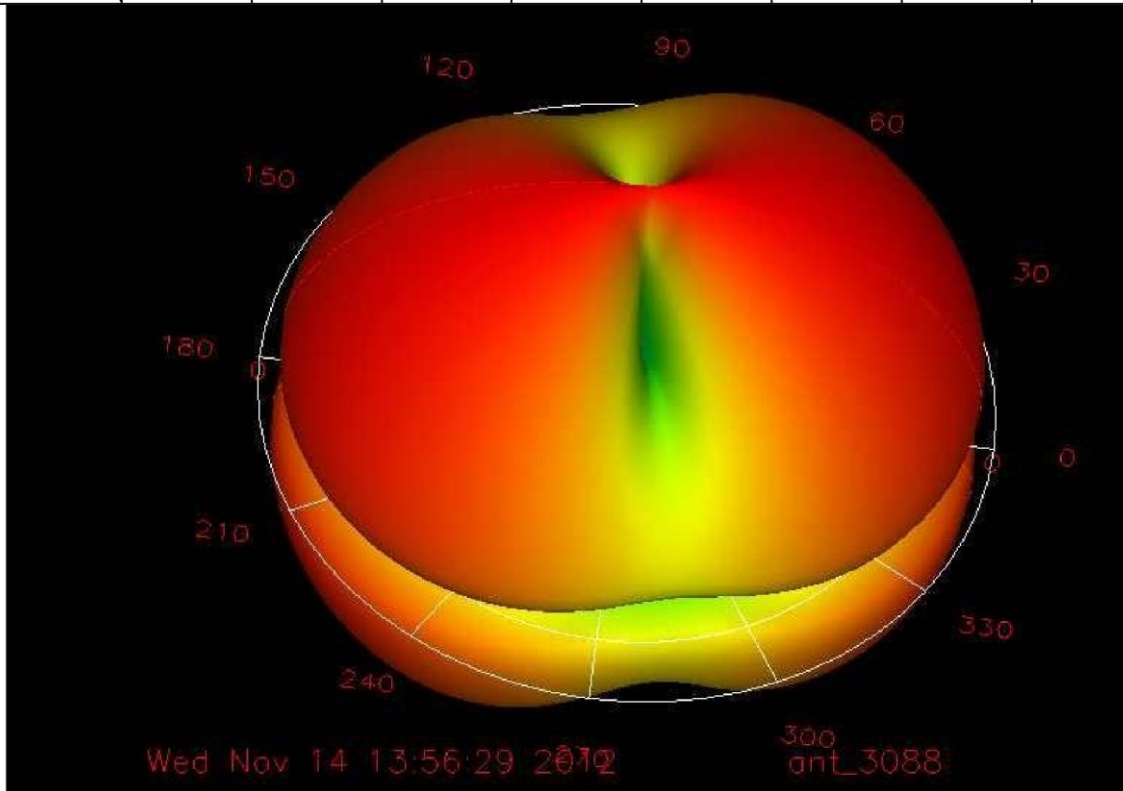
Phi (deg)	0	45	90	135	180	235	270	315
(dBi) Gain	-0.2	-0.3	-0.8	-0.5	-0.2	-0.5	-0.8	-0.5



Radiation pattern@2.441GHZ

Total Average Gain:-0.275dbi

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



Radiation pattern@2.480GHZ

Total Average Gain:-0.237dbi

Phi (deg)	0	45	90	135	180	235	270	315
(dBi) Gain	0	-0.2	-0.3	-0.5	0	-0.3	-0.6	-0.2

