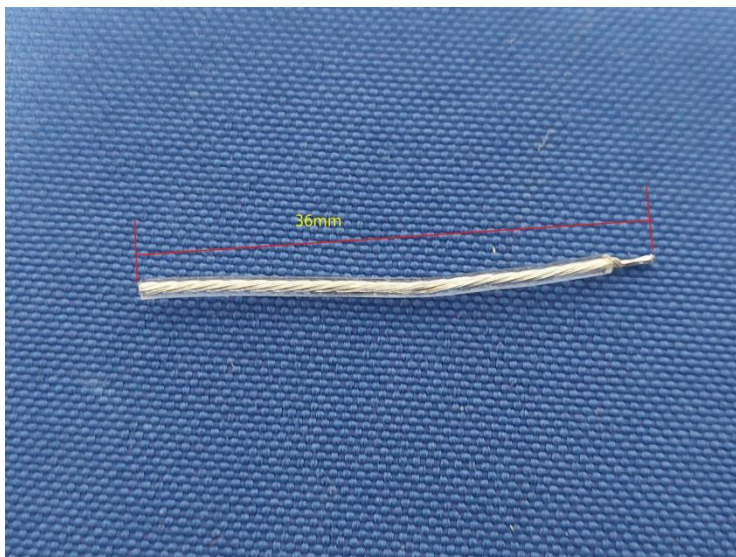


1. Antenna describe:

Antenna plate	Line Antenna
Make name/model name	2.4G ANT
Antenna gain	3dBi
Frequency range	2400-2480MHz
Connector type	direct
Manufacturer	GUANGDONG HAERKN NEW ENERGY CO.,LTD
Add	Room 101, 259 Shatin Avenue, Shatian Town, Dongguan City
INSULATION MATERIAL	PVC
CONDUCTOR MATERIAL	Tinned Copper

2.External view drawing:

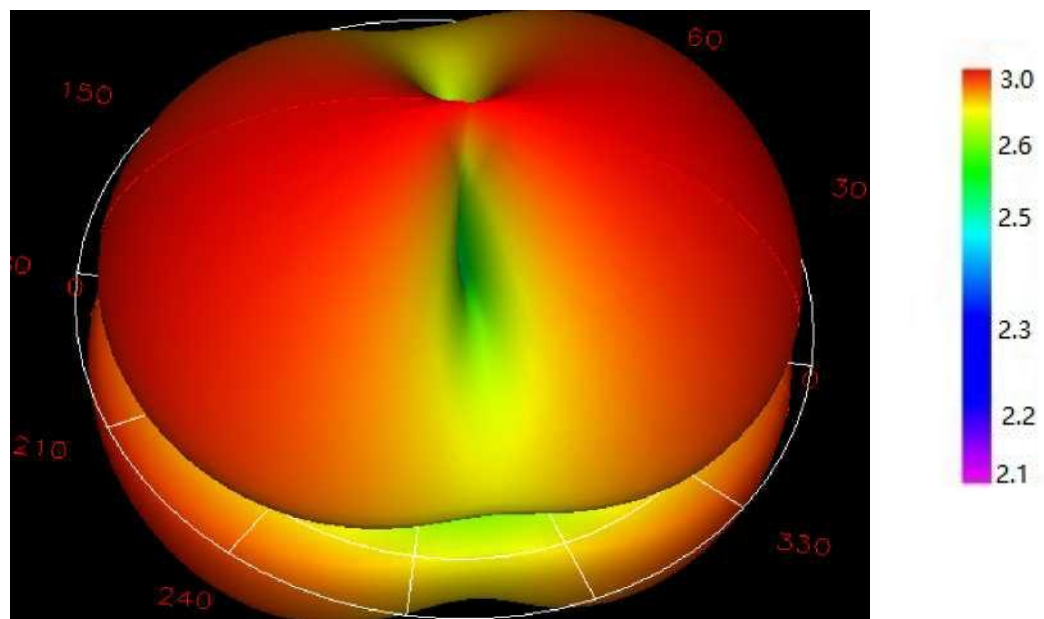


3.Antenna Radiation Pattern

Radiation pattern@2.405GHZ

Total Average Gain: 2.475dbi

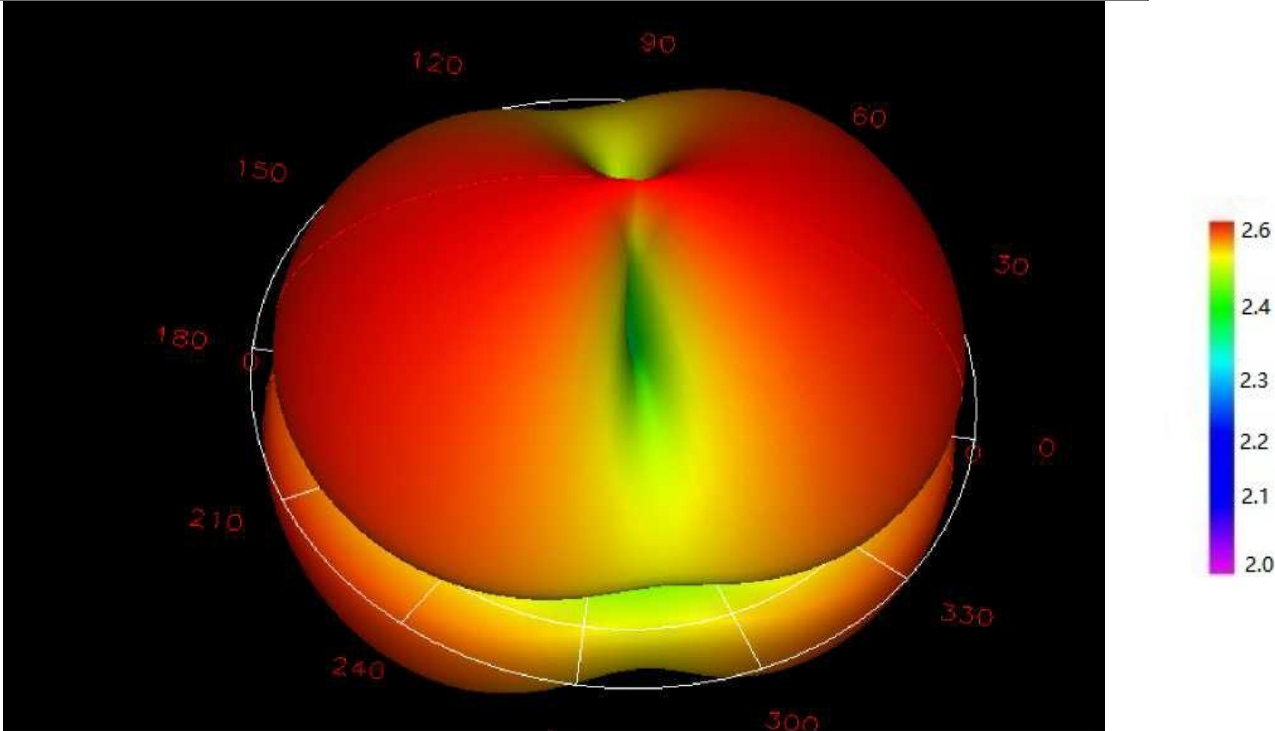
\ Phi	0	45	90	135	180	235	270	315
Gain	2.1	2.3	3.0	2.5	2.2	2.6	3.0	2.5



Radiation pattern@2.446GHZ

Total Average Gain: 2.275dbi

\ Phi	0	45	90	135	180	235	270	315
Gain	2.0	2.1	2.3	2.6	2.1	2.2	2.6	2.4



Radiation pattern@2.480GHZ

Total Average : 0.237dbi

\ Phi	0	45	90	135	180	235	270	315
Gain	2.4	2.1	2.2	2.5	2.4	2.3	2.6	2.2

