

## Product specification

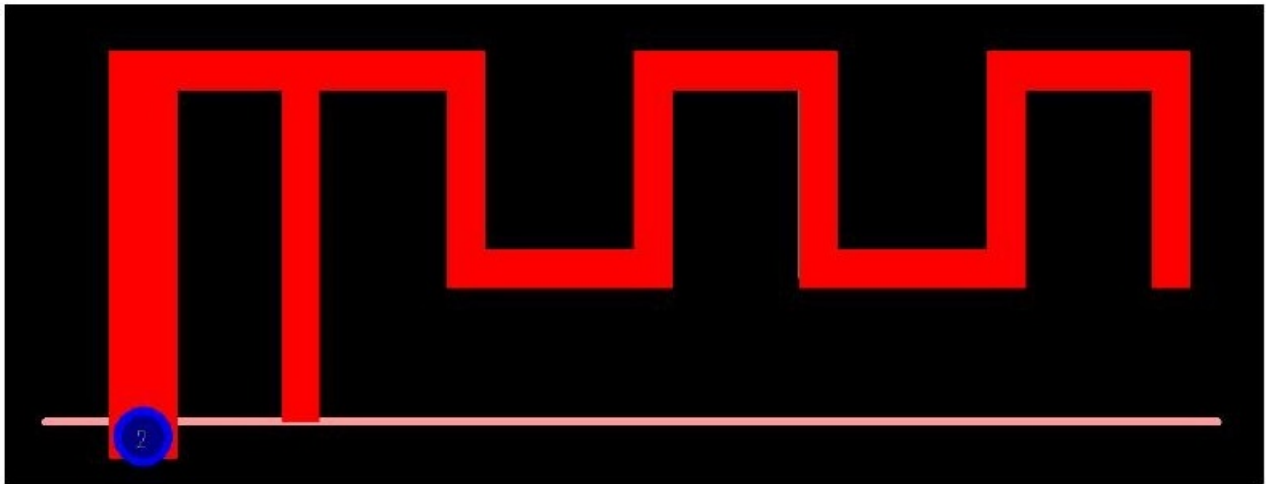
Model name/type: PCB antenna

Antenna Gain:1.7 dBi

Manufacturer:Jinan Guoji Technology (Zhuhai) Co., Ltd.

No. 8 Qinshi Road, Qinshi Industrial Zone, Sanzao Town, Jinwan District, Zhuhai City, China

### Antenna layout on the Module board

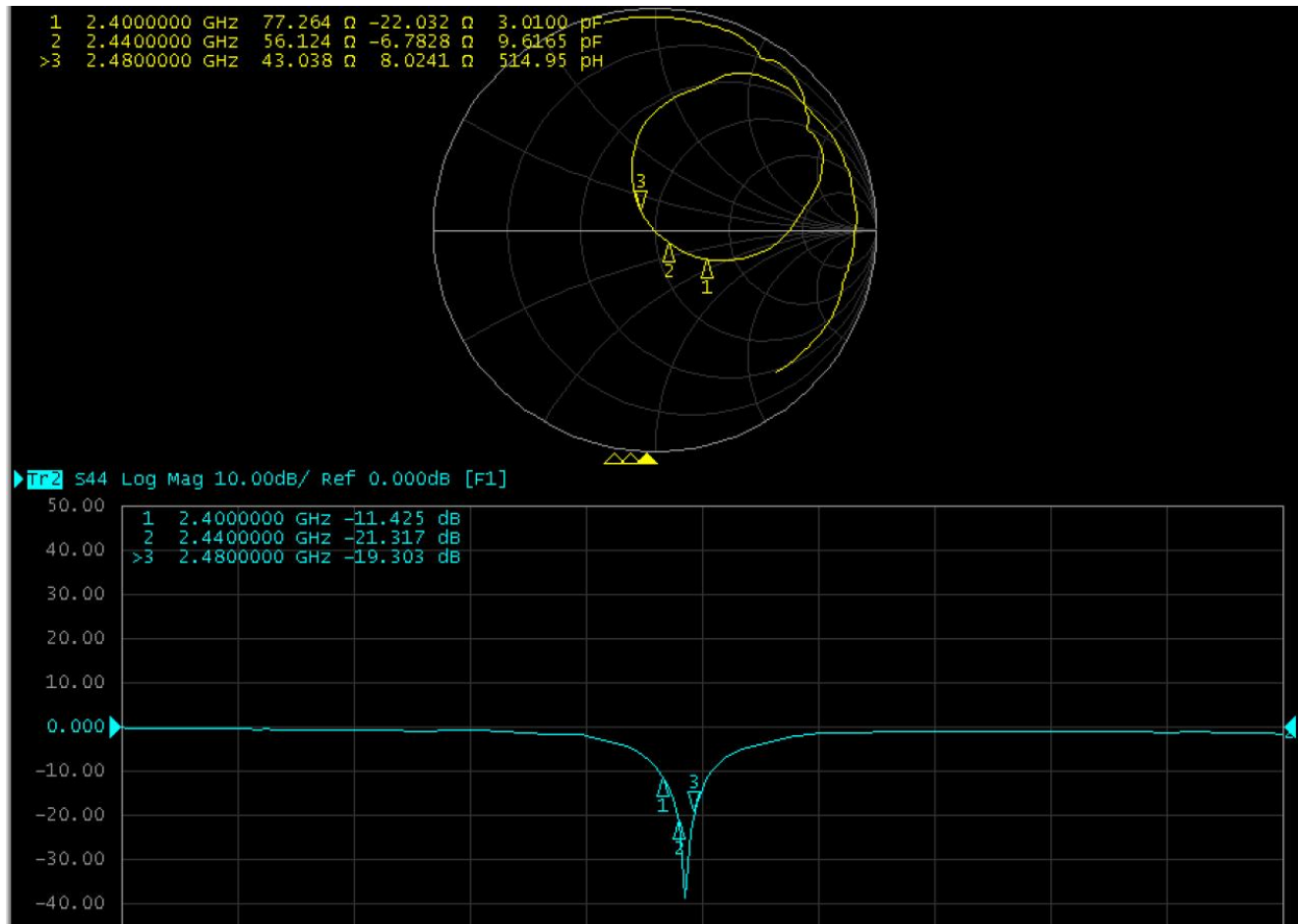


### Antenna Gain

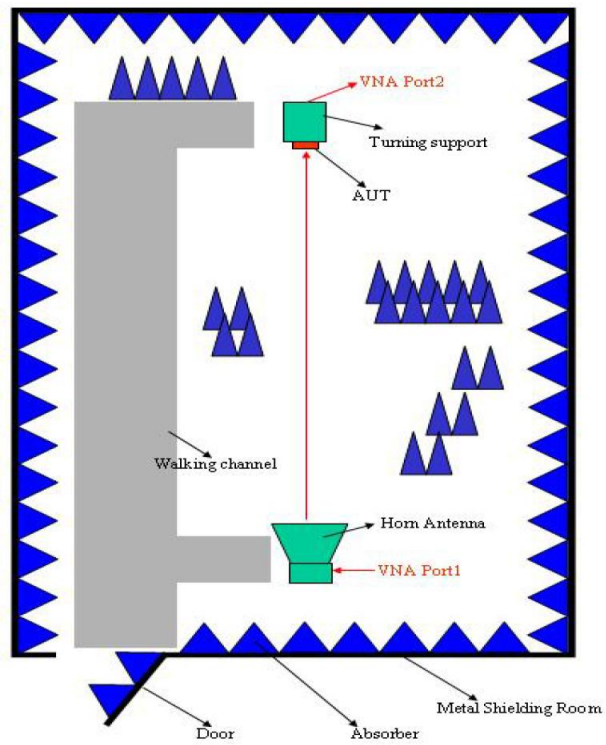
Gain Table

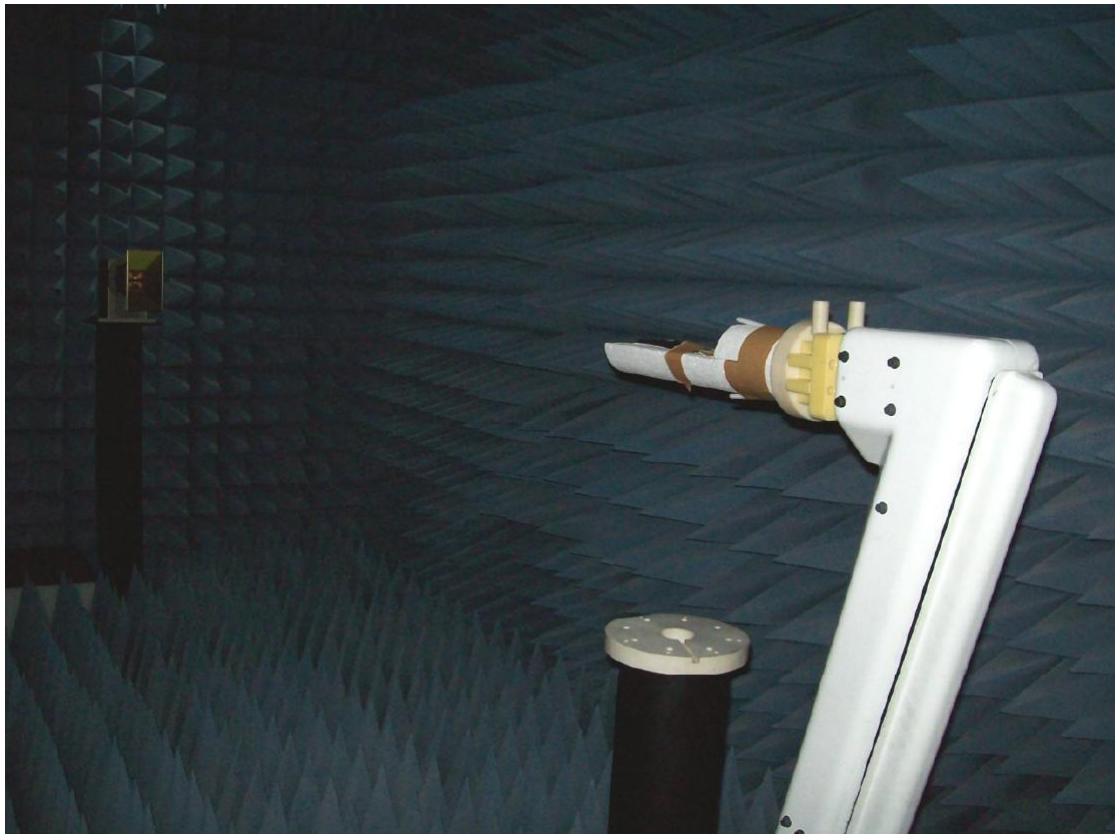
| Unit in dBi @2.44GHz | XY-plane |      | XZ-plane |      | YZ-plane |      | Efficiency |
|----------------------|----------|------|----------|------|----------|------|------------|
|                      | Peak     | Avg. | Peak     | Avg. | Peak     | Avg. |            |
| Module board         | 1.3      | -0.5 | 1.7      | -3.8 | 1.1      | -3.0 | 58.5%      |

## Return Loss

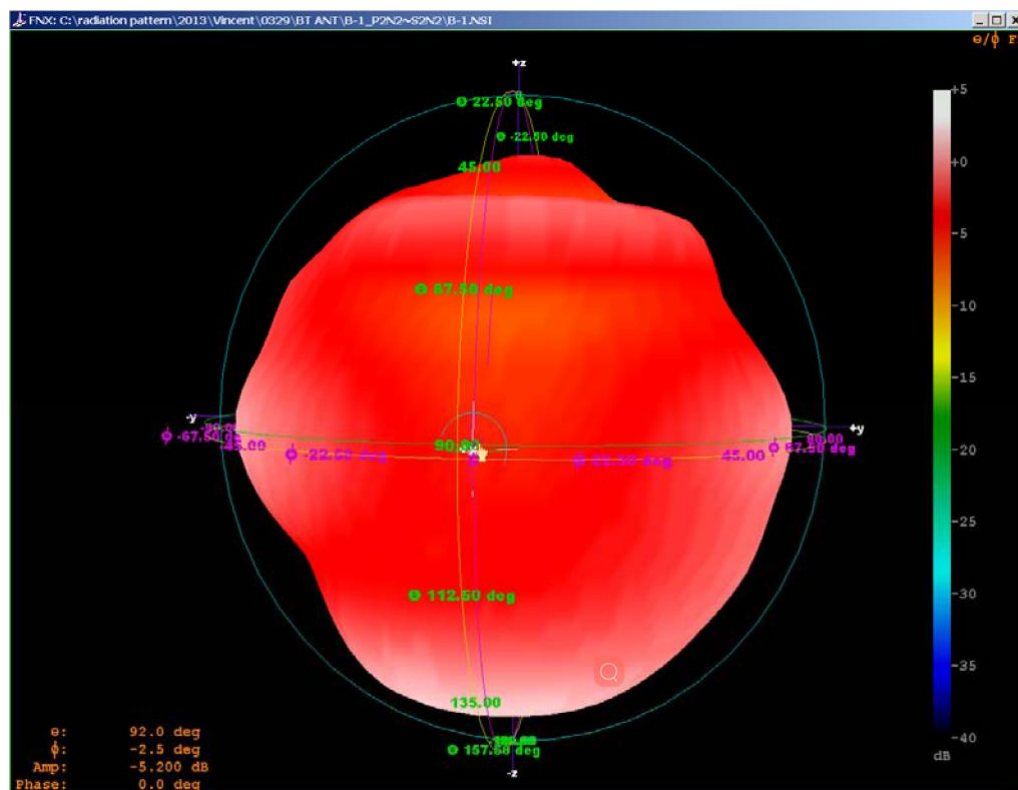


## The Environment of Antenna Radiation Pattern





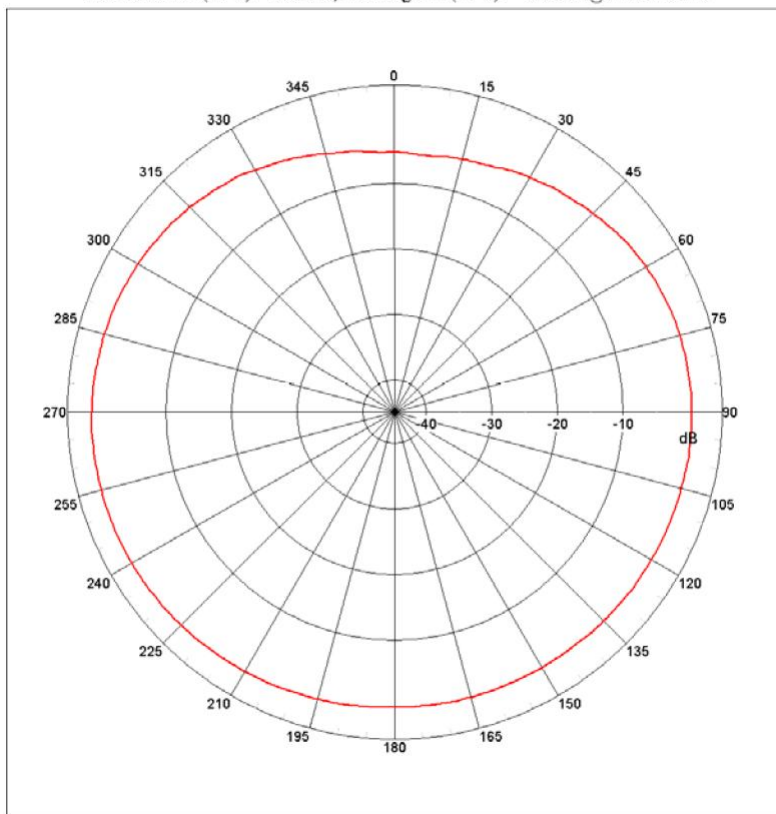
## 3D radiation pattern diagram



XY-plane

### Far-field Power Distribution(H+V) on X-Y Plane

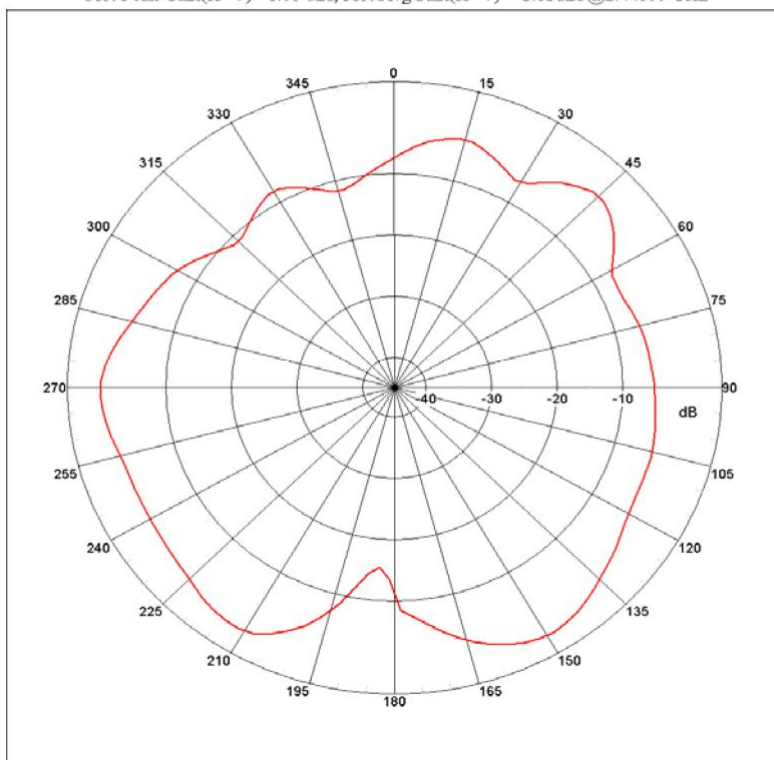
Plot Peak Gain(H+V)= 1.35 dBi; Plot AvgGain(H+V)= -0.48dBi @2.44000 GHz



## XZ-plane

### Far-field Power Distribution(H+V) on X-Z Plane

Plot Peak Gain(H+V)= 1.68 dBi; Plot AvgGain(H+V)= -3.83dBi @2.44000 GHz



# YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane

Plot Peak Gain(H+V)= 1.11 dBi; Plot AvgGain(H+V)= -2.99dBi @2.44000 GHz

