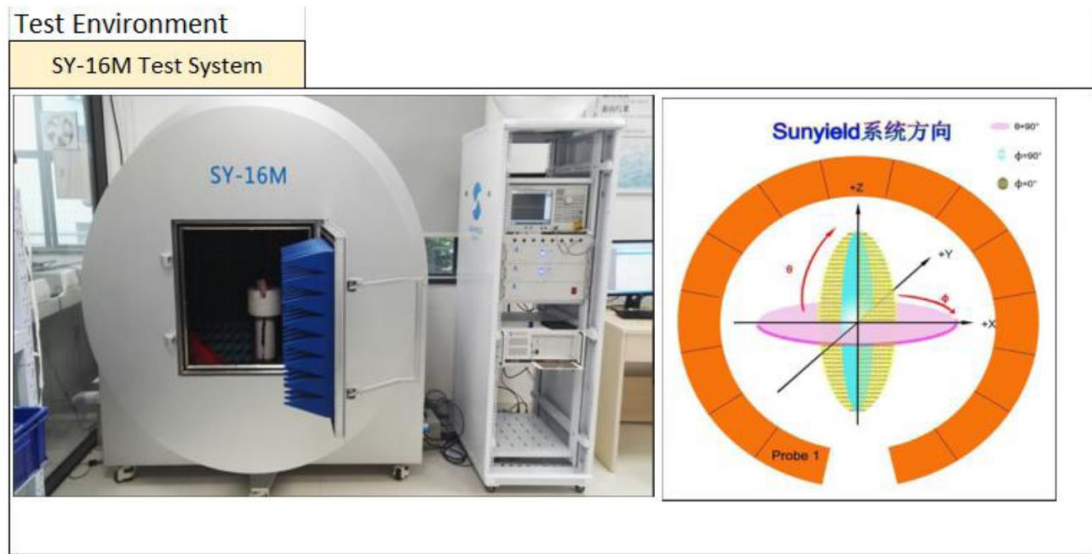
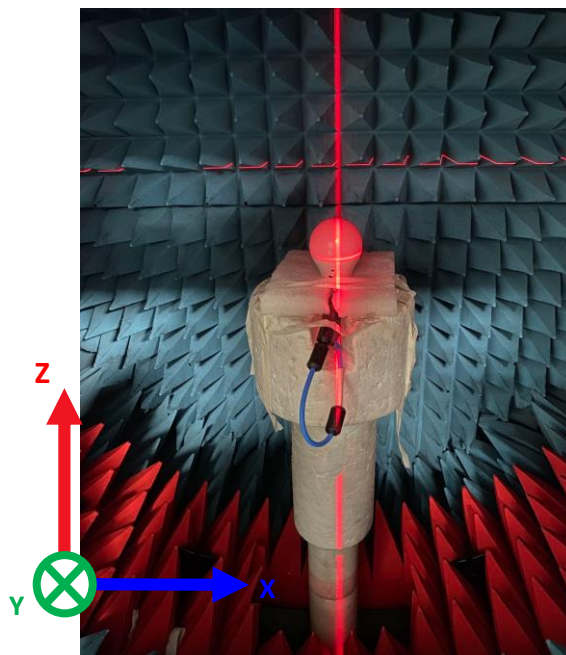


## 1 Test Sample



## 2 Test Sample



## 3 Antenna Spec

Parameter	Value
Frequency Range	2.4 ~ 2.5 GHz
Antenna Gain	0.05 dBi
Antenna Type	PCB Antenna
Model Name	XJ-D
Manufacture	LEEDARSON LIGHTING CO., LTD.
Address	Xingda Road, Xingtai Industrial Zone, Changtai County,Zhangzhou, Fujian, China

## 4 Test Result

### 4.1 Efficiency and Gain

Table 1 Antenna Efficiency and Gain

Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-0.91	-5.55	27.88
2410	-1.19	-5.90	25.69
2420	-0.81	-5.45	28.53
2430	-0.62	-5.06	31.18
2440	-0.99	-5.24	29.92
2450	-0.90	-5.25	29.85
2460	-0.21	-4.55	35.07
2470	0.05	-4.20	38.04
2480	-0.23	-4.47	35.75
2490	-0.10	-4.32	36.97
2500	-0.08	-4.38	36.47
Min. Value	-1.19	-5.90	25.69
Max. Value	0.05	-4.20	38.04
Avg. Value	-0.62	-4.91	32.30

## 4.2 Radiation Pattern

Table1 3D Radiation Pattern

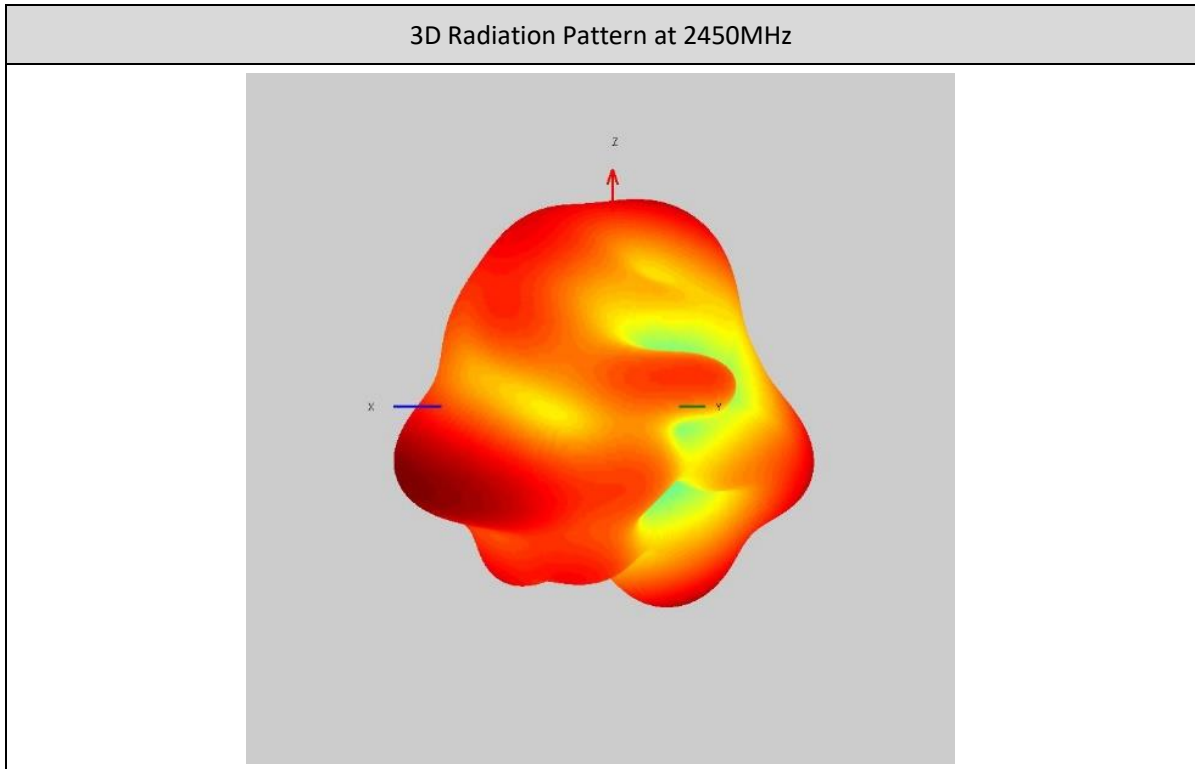


Table 2 Radiation Pattern in XY Plane

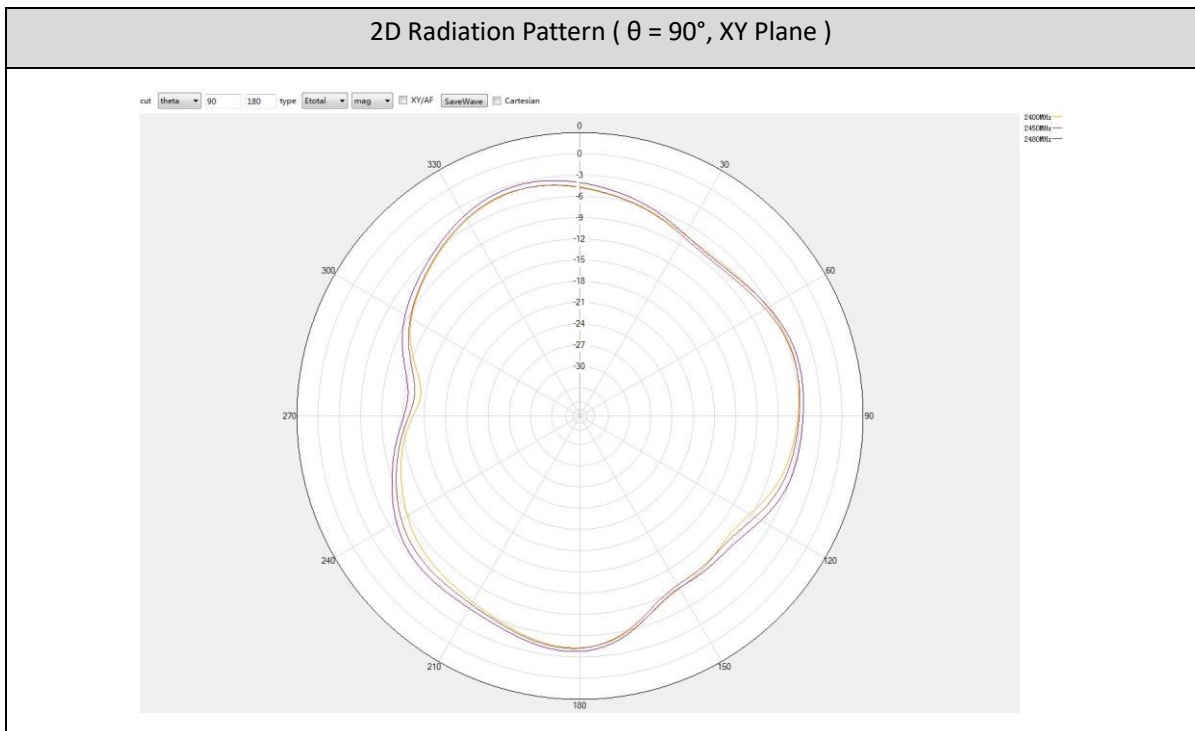


Table 3 Radiation Pattern in XZ Plane

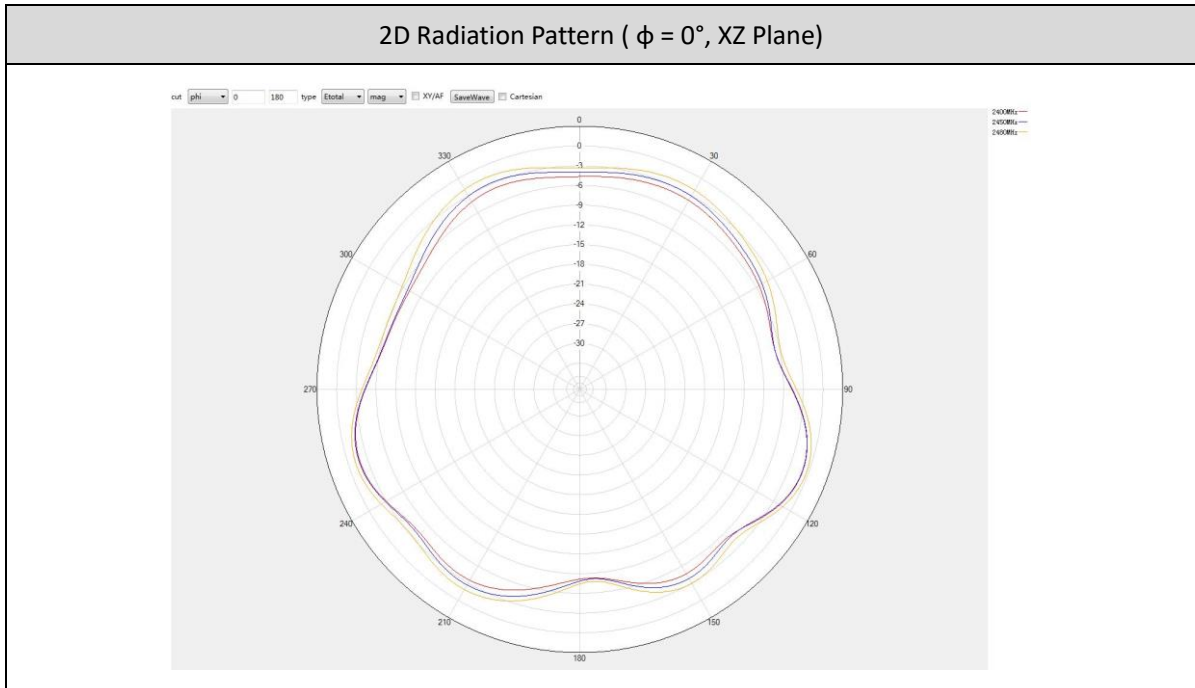
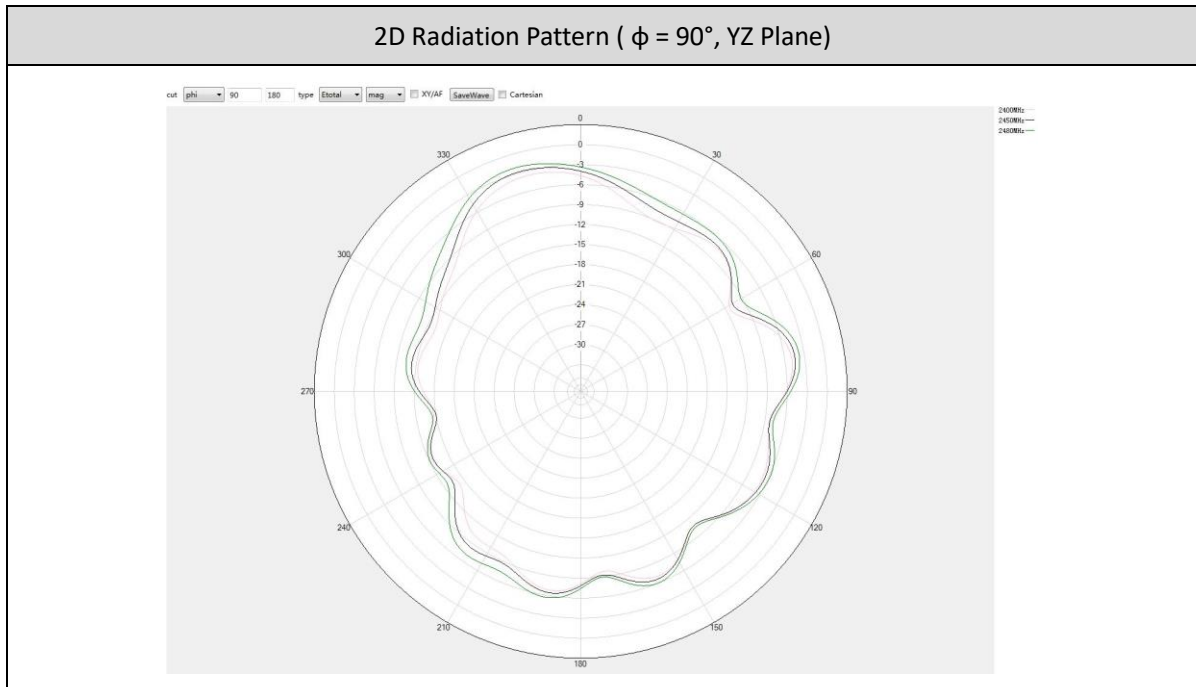


Table 4 Radiation Pattern in YZ Plane



Antenna Photo

