

# **SPECIFICATION FOR APPROVAL**

**CUS PART NO:** ASTRA-30CM

**PART NAME:** Aquarium light

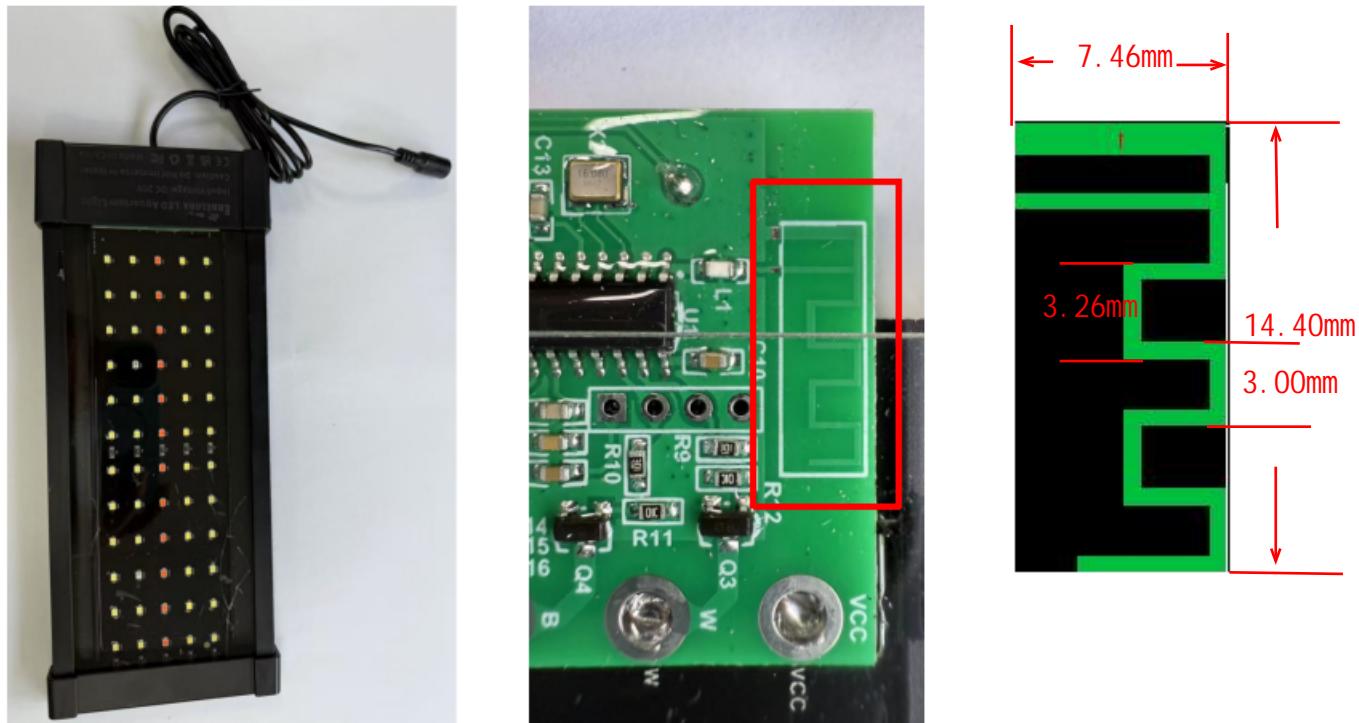
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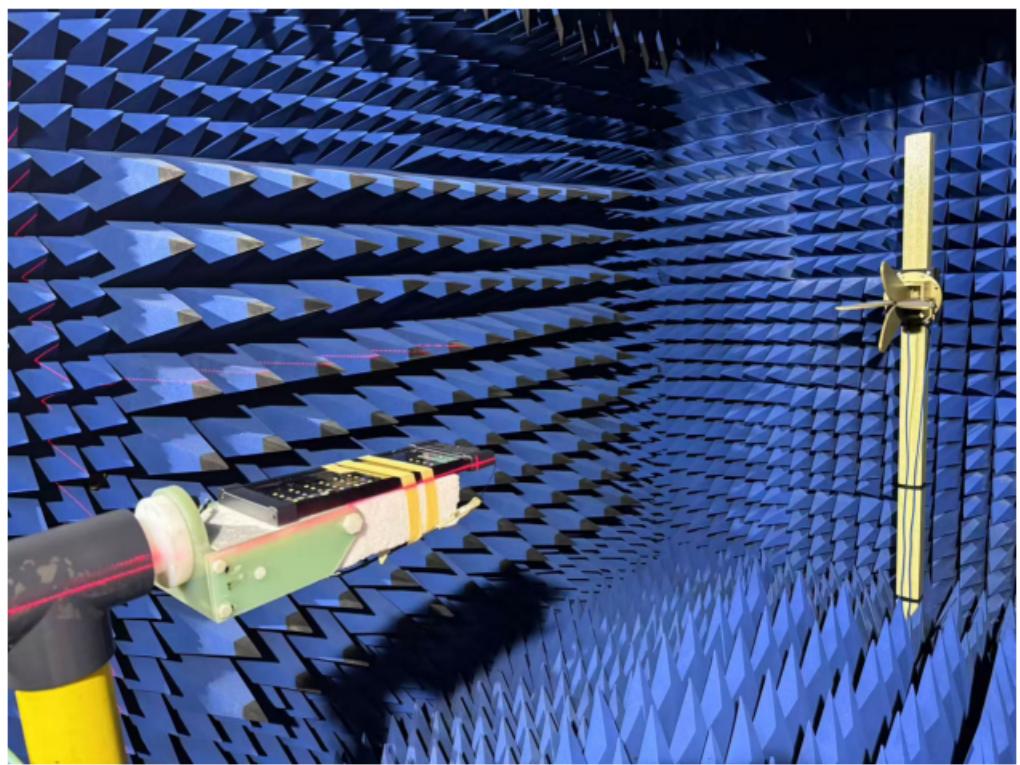
# 1. Performance parameter

<b>Name</b>	Aquarium light
<b>Model Type</b>	PCB Antenna
<b>Frenquency Range</b>	2400-2500 MHz
<b>SIZE</b>	/
<b>Impedance</b>	50 Ω
<b>VSWR</b>	<7.07
<b>Max Gain</b>	-5.96 dBi
<b>Manufacture</b>	Zhongshan Dongfeng Town Zhiyue Electronic Equipment Factory
<b>Address</b>	Zhongshan City, Guangdong Province, mainland China , One of the first floors of the third floor, No. 1, North Corner Street, Xiaoli Community, Dongfeng Town
<b>Application</b>	Zhongshan Dongfeng Town Zhiyue Electronic Equipment Factory

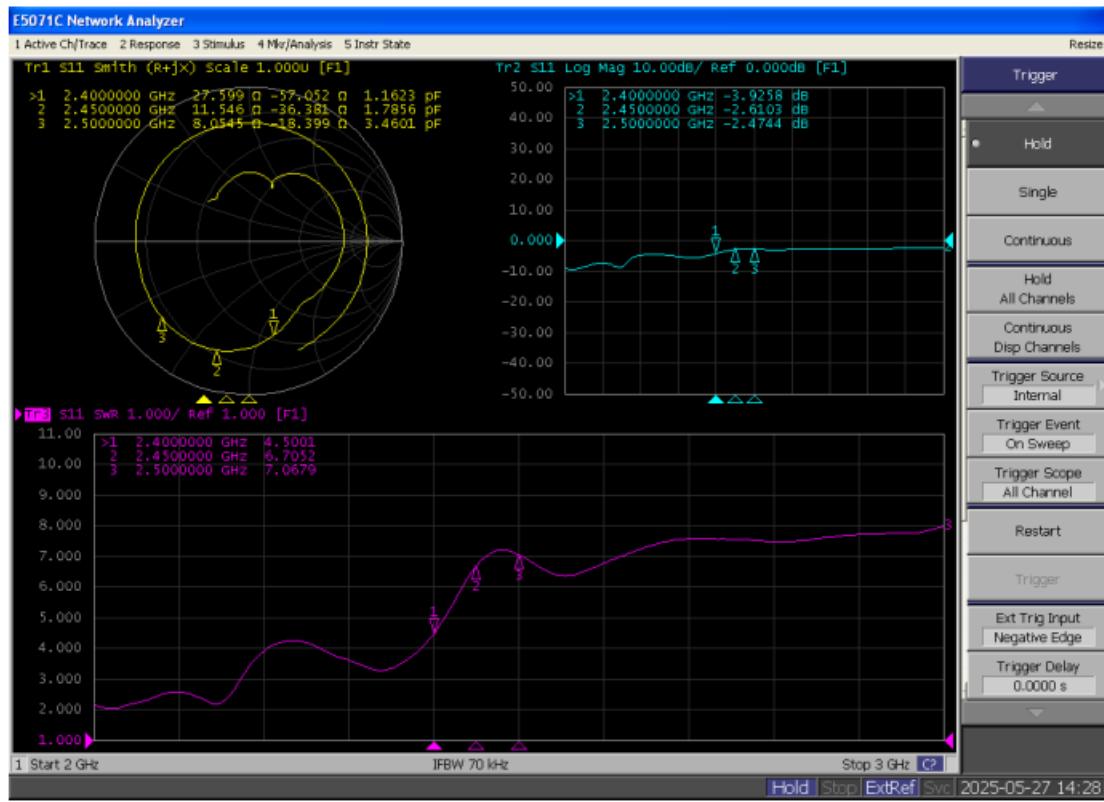
## 2.Appearance



## 3.EUT setup photo of free space OTA testing



## 4.VSWR parameters



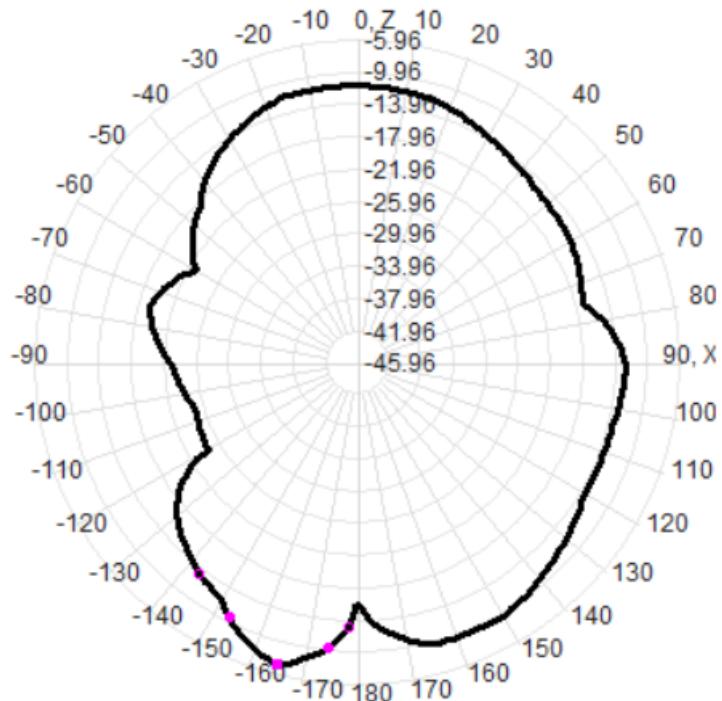
<b>Frequency (MHz)</b>	2400	2450	2500
<b>VSWR</b>	4.50	6.70	7.07

## 5.Passive test data:

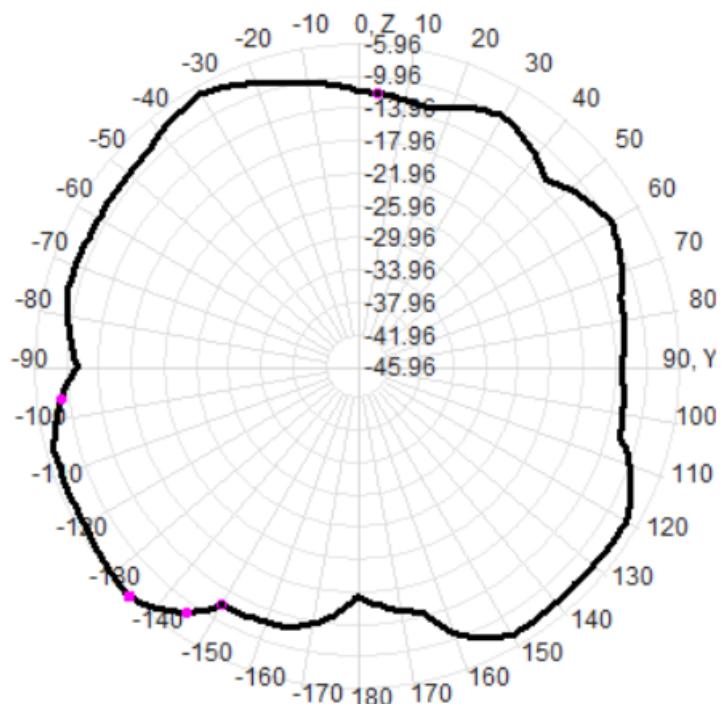
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	-5.96	-6.53	-6.46	-7.11	-7.74	-7.59	-7.65	-8.45	-8.77	-9.17	-8.53
Efficiency(%)	5.90	5.99	6.51	6.46	6.73	7.11	7.49	7.14	7.06	6.73	7.38

## 6.Radiation pattern

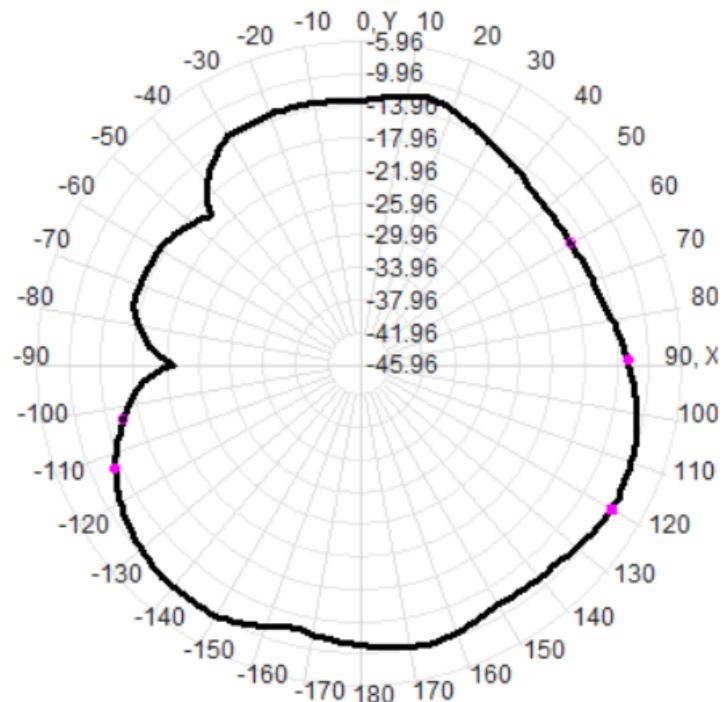
2400.0MHz Total(E1-XZ), Max= -7.41dBi



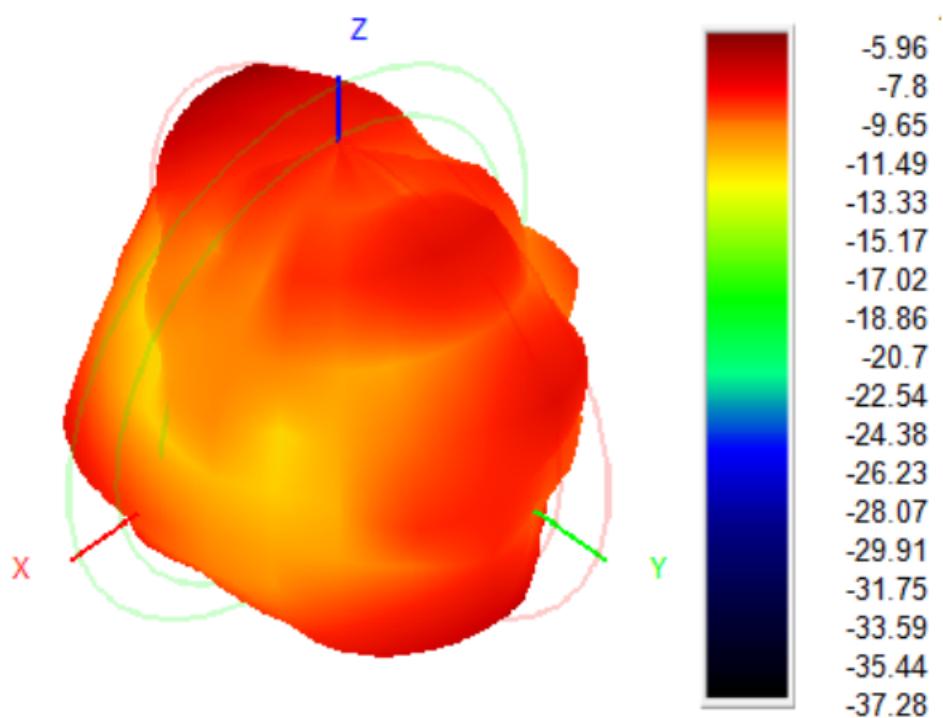
2400.0MHz Total(E2-YZ), Max= -5.96dBi



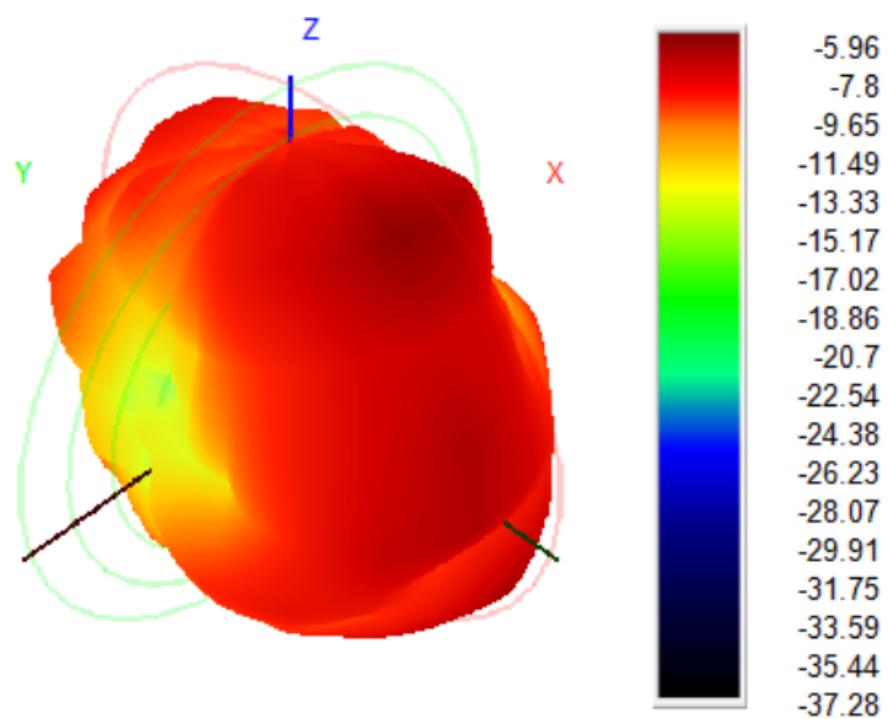
Total(H-XY), Max= -9.97dBi, CirD=13.02



2400.0MHz H+V, Eff: 6.5%



Back View



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-----End-----