



# OTA TEST REPORT

**Client Information:**

**Applicant**.....:Zhejiang General Light Curtain Co.,LTD.  
**Address**.....:Xin Tang Tou Village, Xin Jie Town, Xiao Shan District, Hang Zhou City, Zhe Jiang Province, China  
**Product Description**.....: PCB antenna  
**Product Name**.....: PCB antenna  
**Model Name**..... : PEM  
**Date of Test**..... 18 Nov. 2022  
**Date of Issue**..... 18 Nov. 2022

Report Prepared by :

*qiyaozhao*

(qiyaozhao)

Report Approved by :

*Leo Li*

(leo Li)

Authorized Signatory :

*Terry yang*

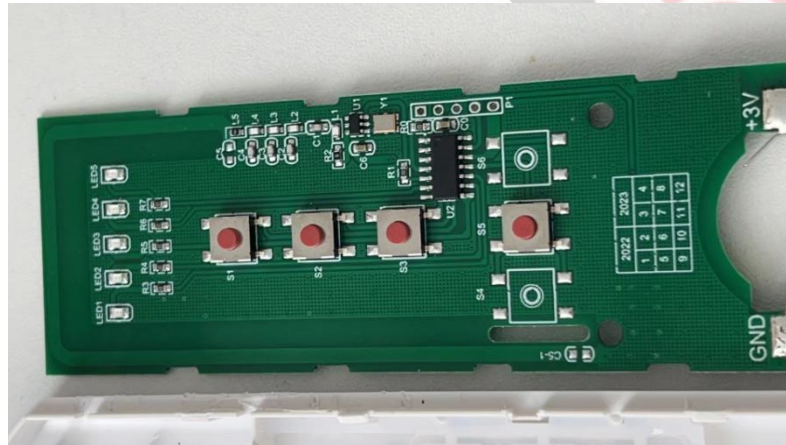
(Terry yang)

## Revision History

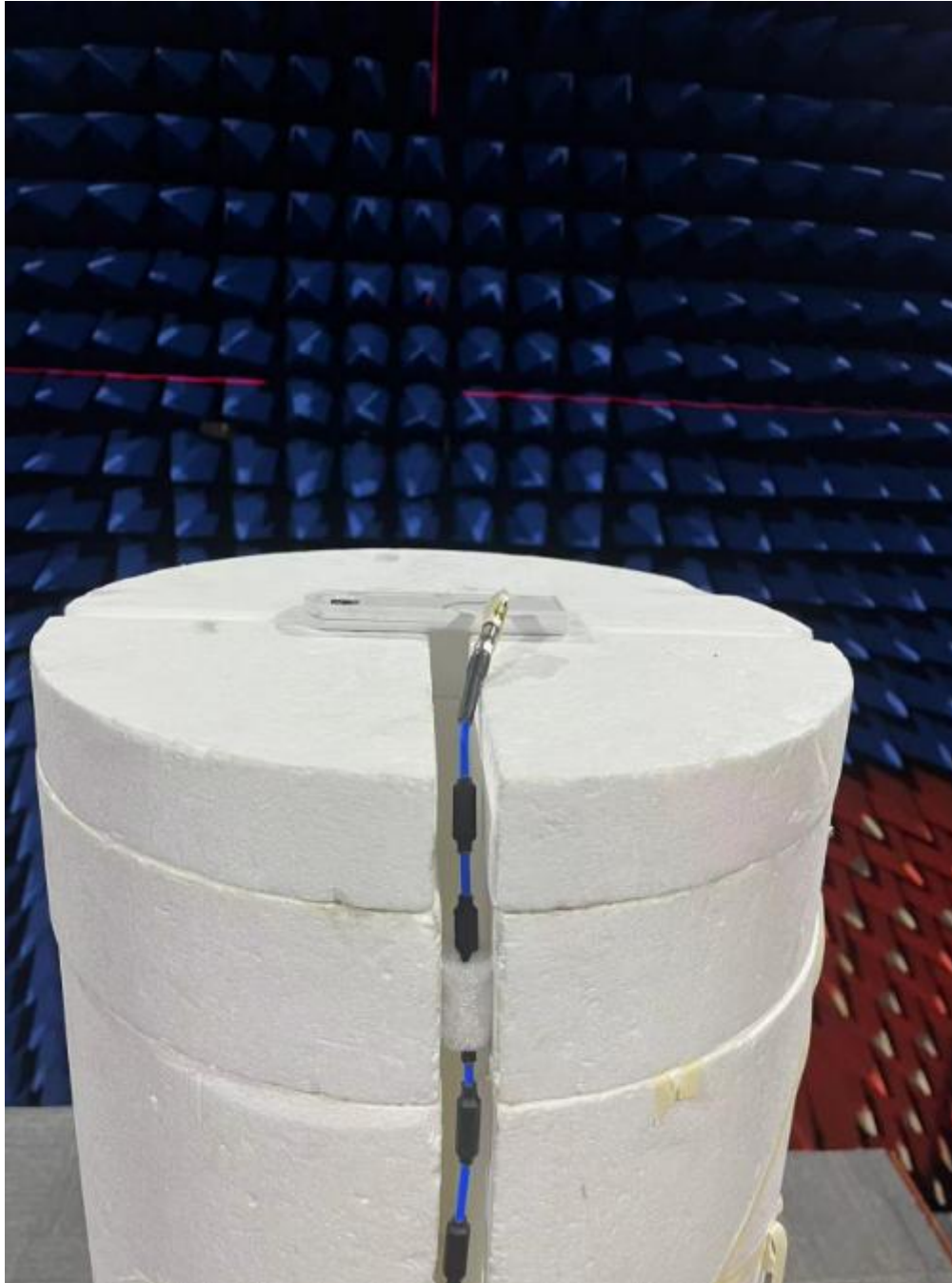
| Rev. | Issue Date   | Report No.           | Effect Page | Contents      |
|------|--------------|----------------------|-------------|---------------|
| 00   | 18 Nov. 2022 | <b>SHATBL2210011</b> | ALL         | Initial Issue |
|      |              |                      |             |               |



1. Sample photo



## 2. Test layout

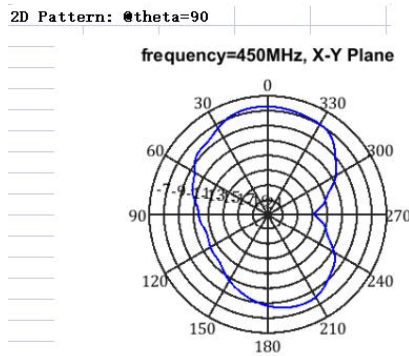
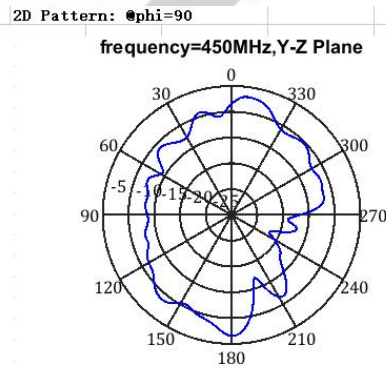
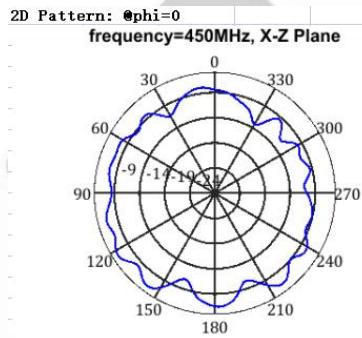
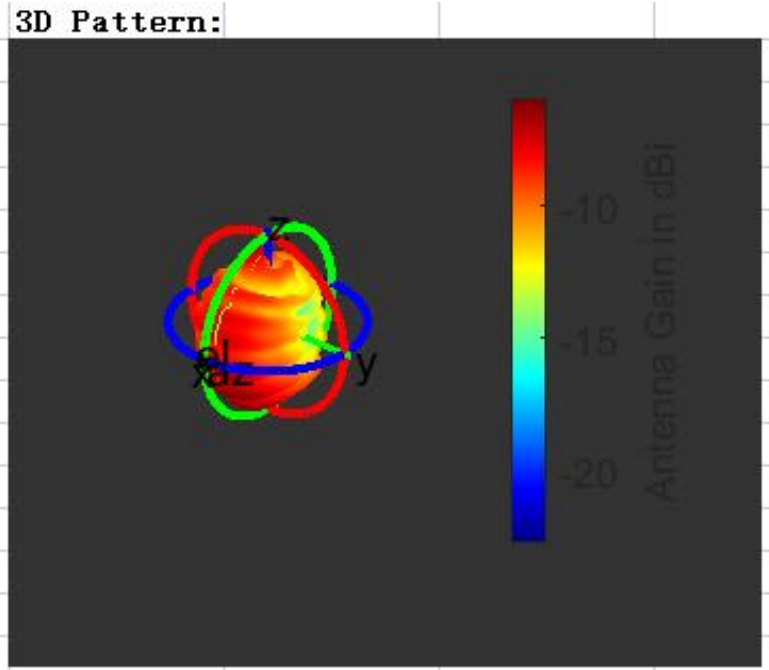


### 3. Results Summary ( 2D/3D Radiation Pattern/Efficiency )

#### Overview

| Frequency (MHz) | Gain (dB) | Efficiency (dB) | Efficiency (%) |
|-----------------|-----------|-----------------|----------------|
| 400             | -4.303    | -8.517          | 14.067         |
| 405             | -4.367    | -8.655          | 13.627         |
| 410             | -4.162    | -8.627          | 13.718         |
| 415             | -3.893    | -8.692          | 13.512         |
| 420             | -3.536    | -9.011          | 12.556         |
| 425             | -3.788    | -9.199          | 12.025         |
| 430             | -4.148    | -9.377          | 11.541         |
| 433             | -4.886    | -9.638          | 10.868         |
| 435             | -5.182    | -9.703          | 10.707         |
| 440             | -5.311    | -9.661          | 10.810         |
| 445             | -5.724    | -9.820          | 10.422         |
| 450             | -6.012    | -9.996          | 10.0075        |

2/3D方向图带壳



### 4. SWR

