

# **SPECIFICATION FOR APPROVAL**

**CUS PART NO:** GT-NL-SMS-3

**PART NAME:** Nightlight

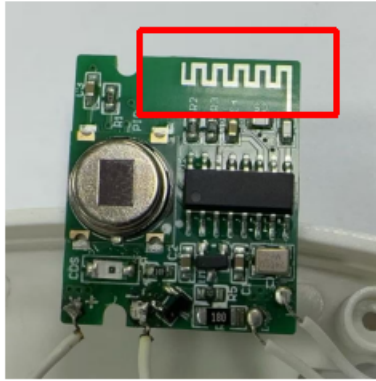
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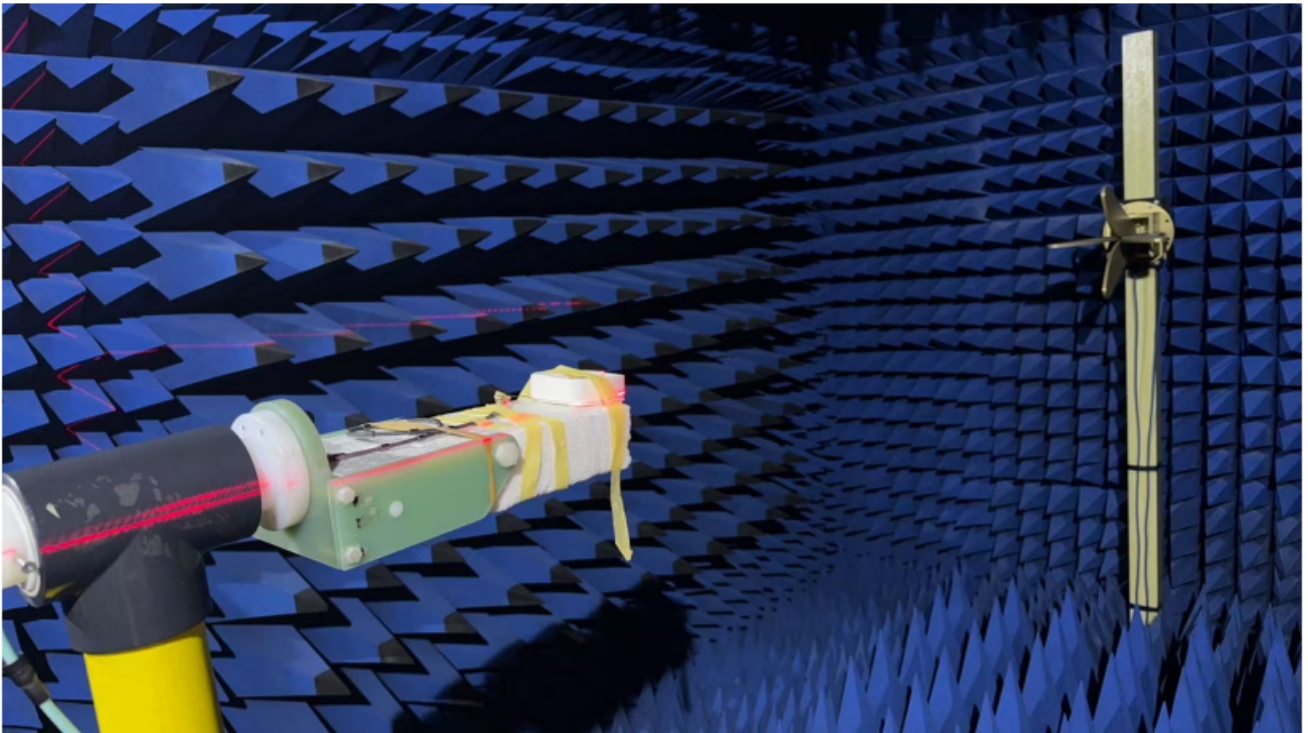
# 1. Performance parameter

|                         |                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------|
| <b>Name</b>             | Nightlight                                                                                 |
| <b>Model Type</b>       | PCB Antenna                                                                                |
| <b>Frenquency Range</b> | 2400-2500 MHz                                                                              |
| <b>SIZE</b>             | /                                                                                          |
| <b>Impedance</b>        | 50 $\Omega$                                                                                |
| <b>VSWR</b>             | < 1.71                                                                                     |
| <b>Max Gain</b>         | -3.84 dBi                                                                                  |
| <b>Manufacture</b>      | Ningbo Jinghui Opto-Electronic Co., Ltd.                                                   |
| <b>Address</b>          | No. 616 Qingqing Road, The District B, Zhenhai Economic Development Zone, Ningbo, Zhejiang |

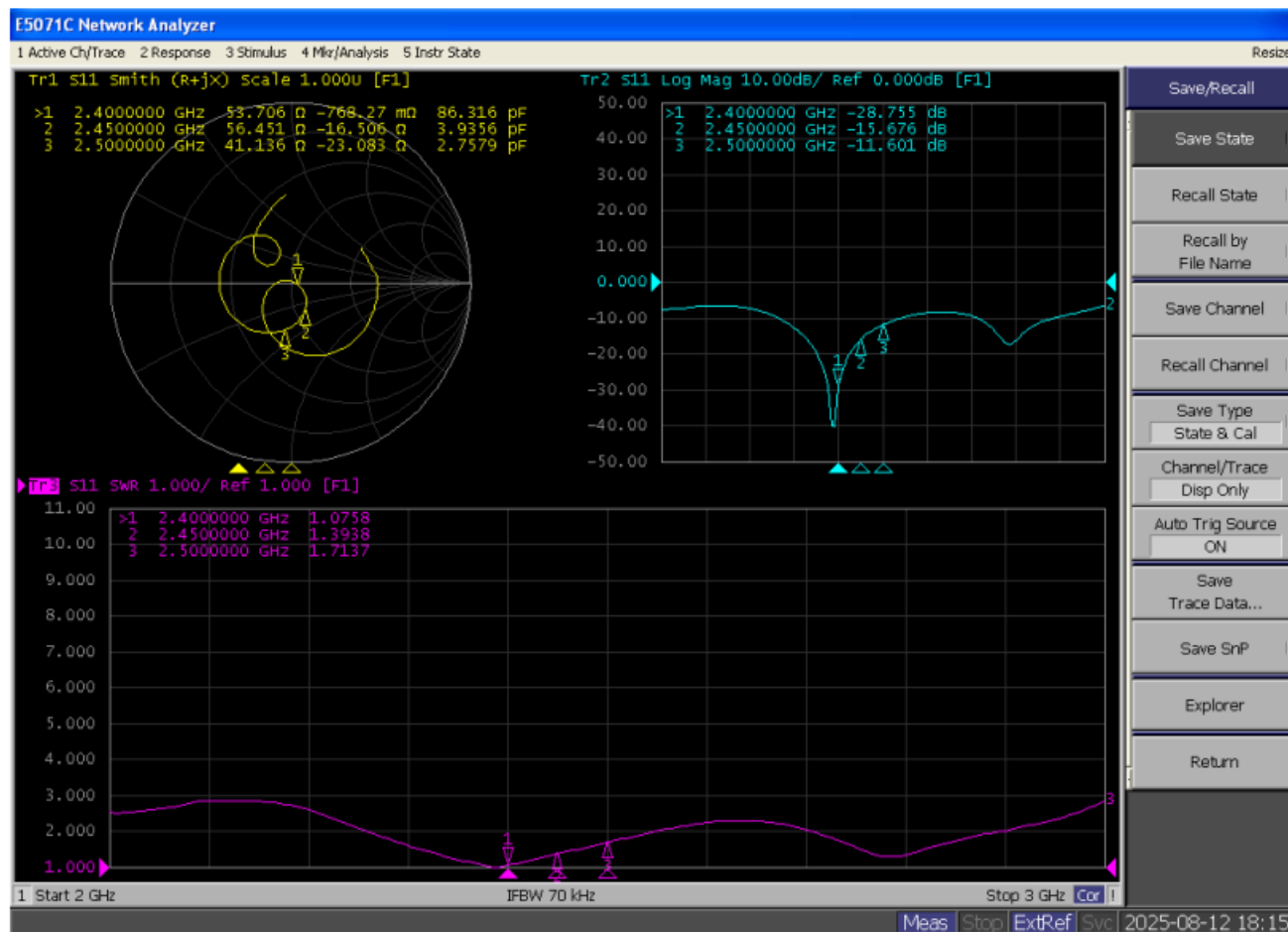
## 2.Appearance



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



## 4.VSWR parameters



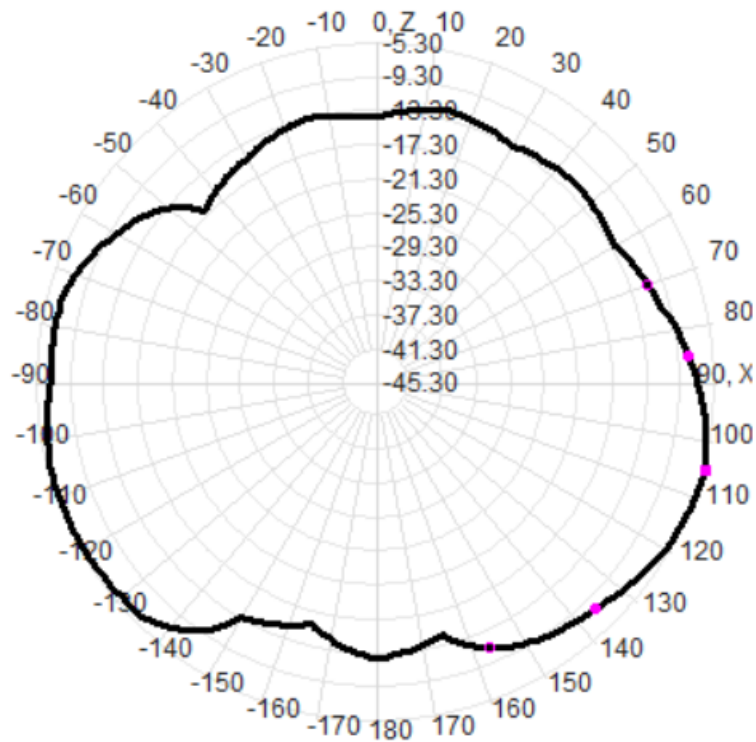
|                 |      |      |      |
|-----------------|------|------|------|
| Frequency (MHz) | 2400 | 2450 | 2500 |
| VSWR            | 1.08 | 1.39 | 1.71 |

## 5.Passive test data:

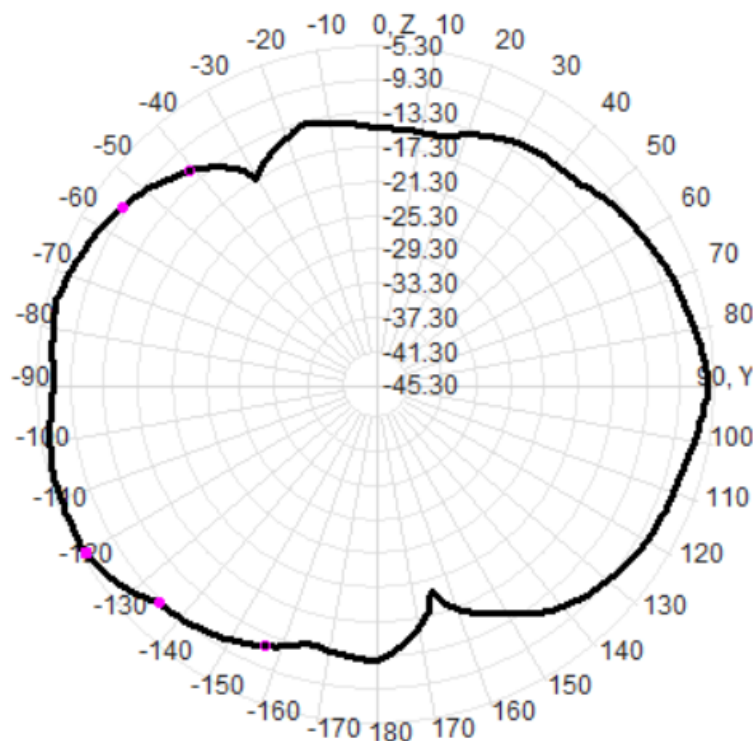
| Frequency(MHz) | 2400  | 2410  | 2420  | 2430  | 2440  | 2450  | 2460  | 2470  | 2480  | 2490  | 2500  |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Gain(dBi)      | -5.18 | -4.79 | -5.14 | -5.17 | -4.85 | -4.55 | -4.05 | -4.37 | -4.24 | -3.84 | -4.23 |
| Efficiency(%)  | 10.85 | 11.49 | 12.10 | 12.35 | 12.95 | 13.64 | 13.73 | 13.51 | 13.45 | 13.68 | 13.93 |

## 6. Radiation pattern

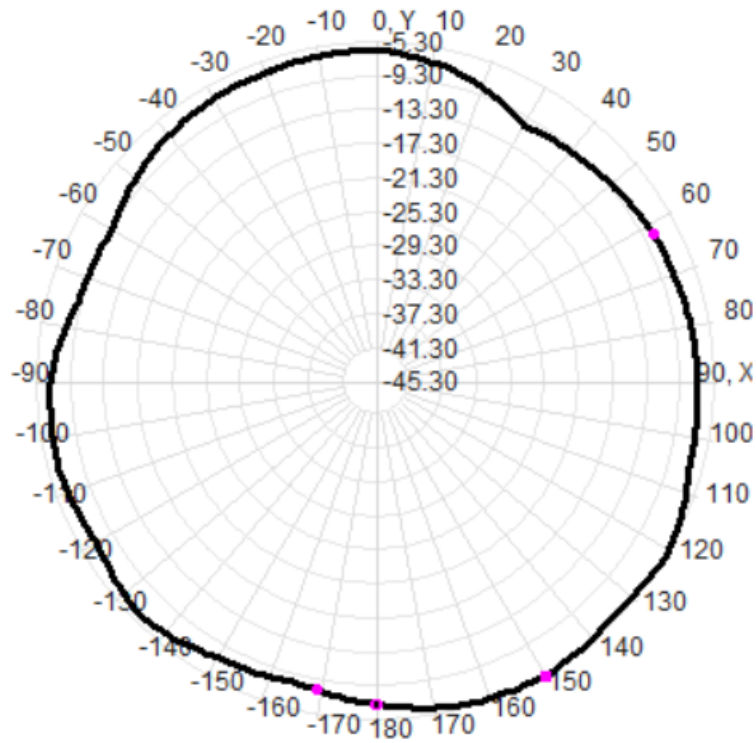
2490.0MHz Total(E1-XZ), Max= -5.30dBi



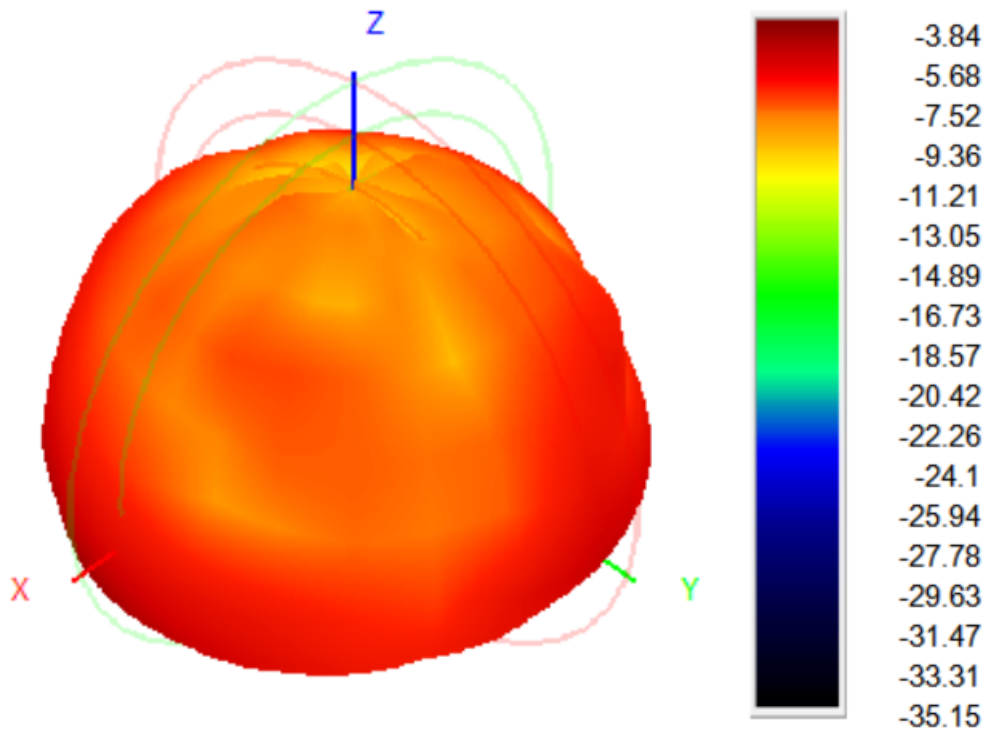
2490.0MHz Total(E2-YZ), Max= -5.86dBi



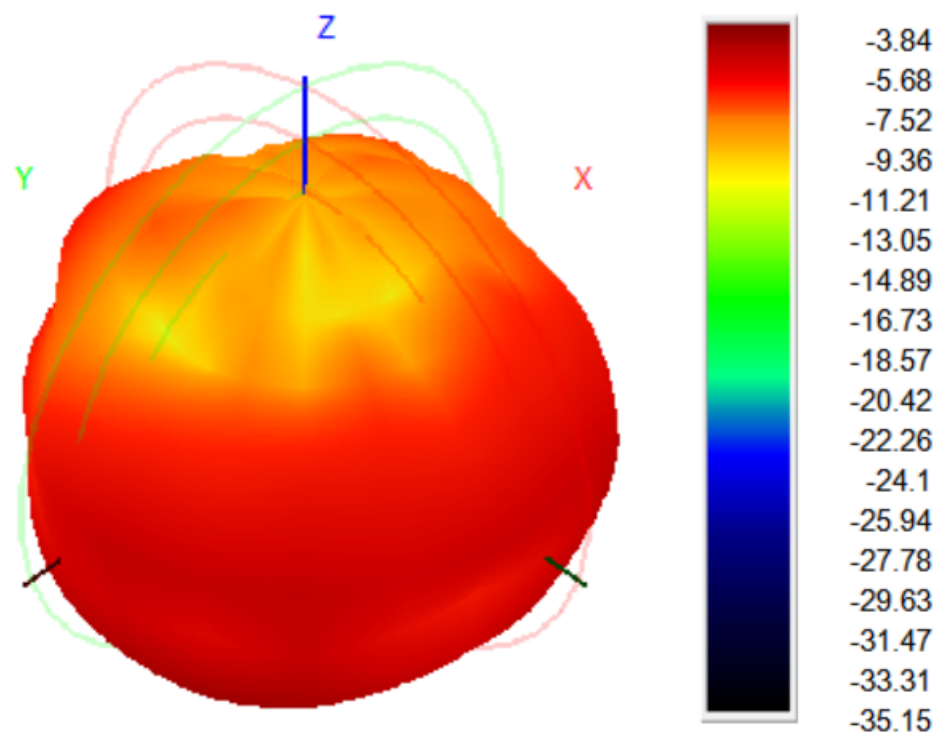
Total(H-XY), Max= -5.37dBi, CirD=5.13



2490.0MHz H+V, Eff: 13.7%



Back View



-----End-----