



DONGGUAN SLEing INTEL-TECH CO., LTD

**SPECIFICATION APPROVAL SHEET**

CUSTOMER                      Hoymiles Power Electronics Inc.

---

CUS PART NO                      A6040286                      REV                      A/3

---

SPECIFICATION                      860-930MHz  
                                                 L=57.5mm(Φ1.13+MHF)                      weight

---

SUP PART NO                      SLEingA201400120-F01

---

DATE                      2024.11.20

---

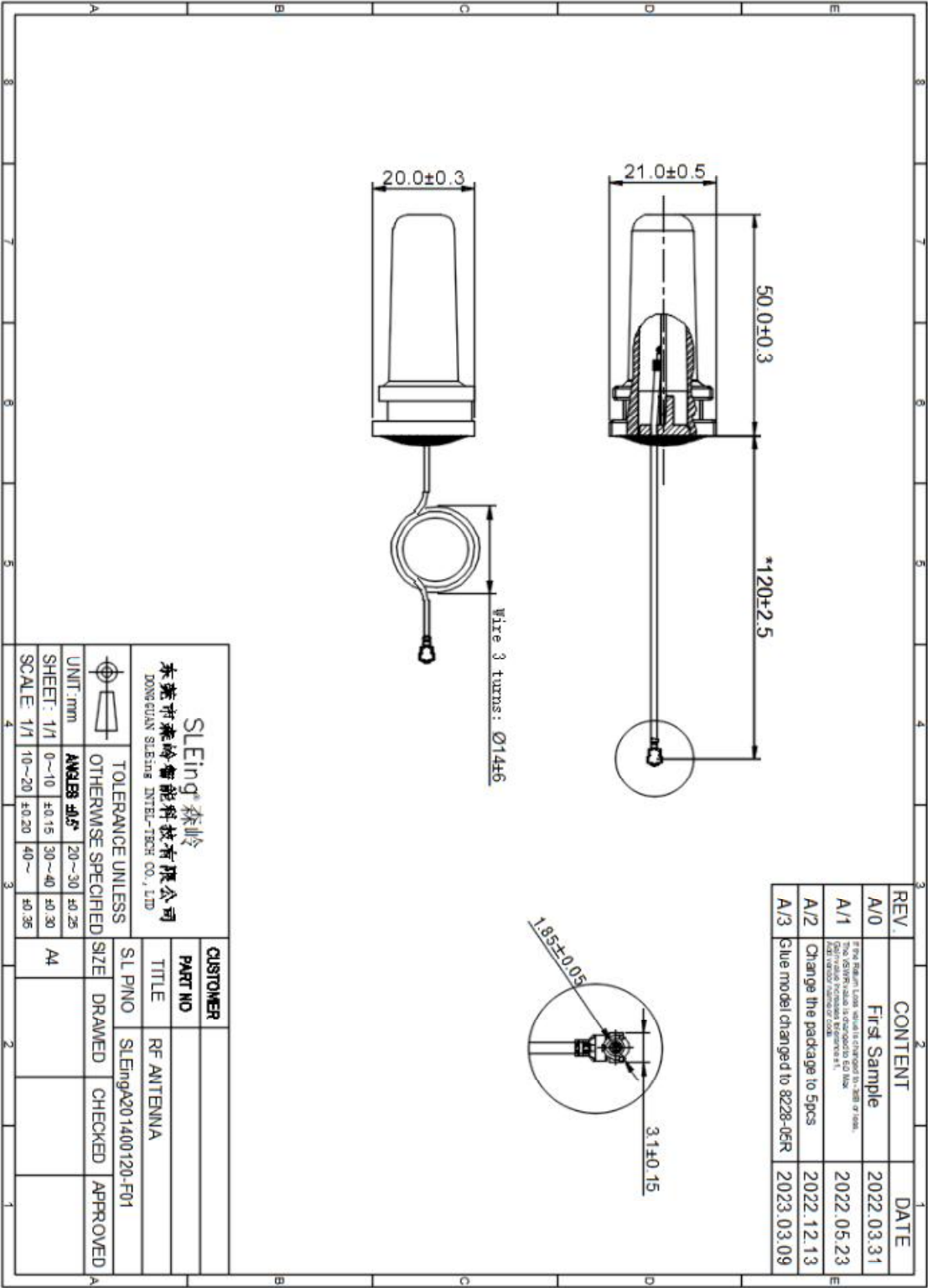
DONGGUAN CITY SLEing INTEL-TECH CO., LTD

Room 402, No. 6 Plant, Accelerator of Modern Enterprise, No, 24 Industry East Road  
Songshanlake District, Donguan City, Guangdong Province, China.

Tel: +86-076989208968

Fax: +86-0769-89208969

[www.sleing.com](http://www.sleing.com)





DONGGUAN SLEing INTEL-TECH CO., LTD

## Test Reports

| Electrical Properties |                                  |
|-----------------------|----------------------------------|
| Frequency             | 860-930 MHz(Single antenna test) |
| Impedance             | 50 Ohm Nominal                   |
| V.S.W.R               | $\leq 6.0$                       |
| Return Loss           | -3dB Max                         |
| Radiation             | Omni-directional                 |
| Gain (Peak)           | -0.13dBi                         |
| Polarization          | Linear, Vertical                 |
| Admitted Power        | 2 W                              |
| Connector             | MHF                              |
| Physical Properties   |                                  |
| Antenna Material      | PC Black                         |
| Cable Type            | Φ1.13 Grey                       |
| Operating Temp        | -40℃-85℃                         |
| Storage Temp.         | -40℃-85℃                         |
|                       |                                  |

## Antenna assembly diagram

Device



Antenna

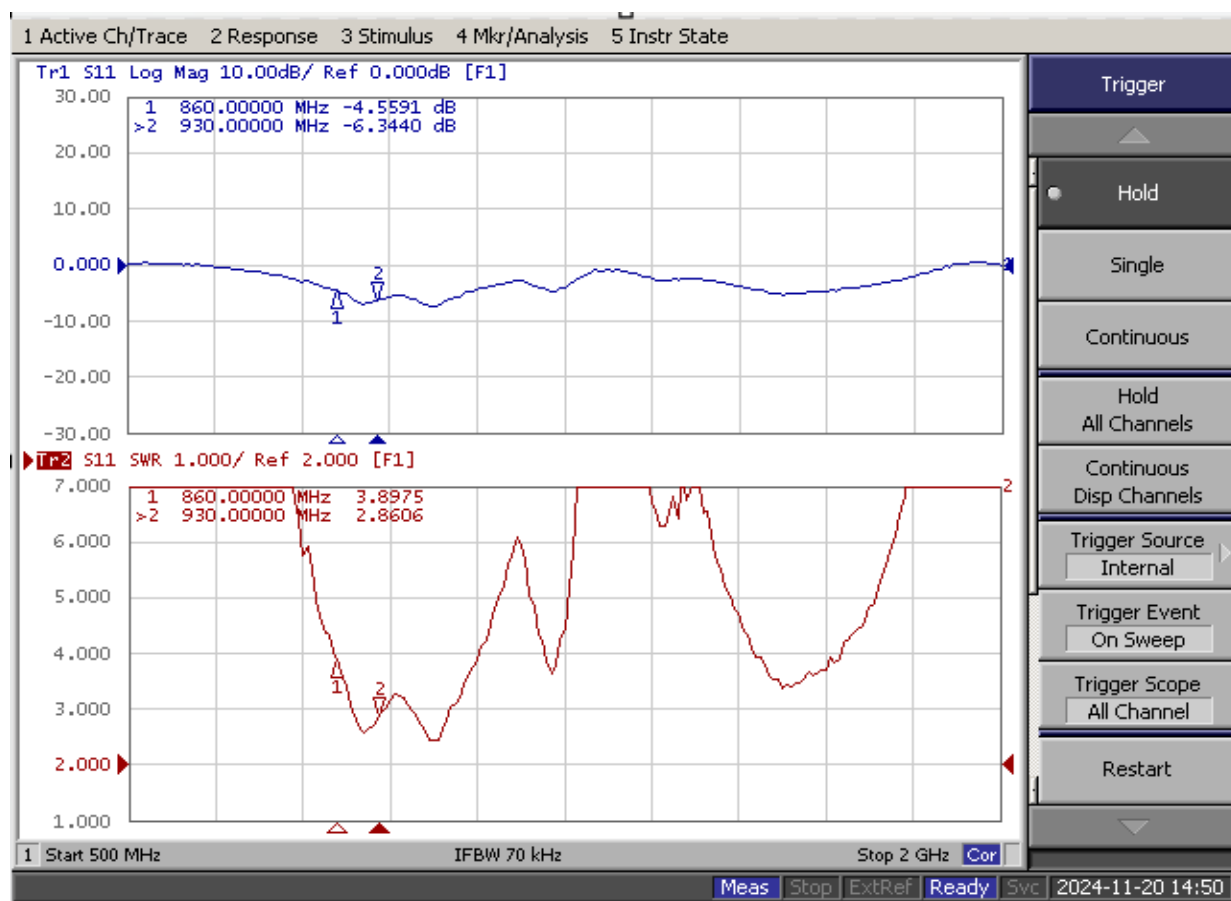


## S Parameter Test

Agilent E5071C Network Analyzer



RF Antenna (Return Loss/VSWR)



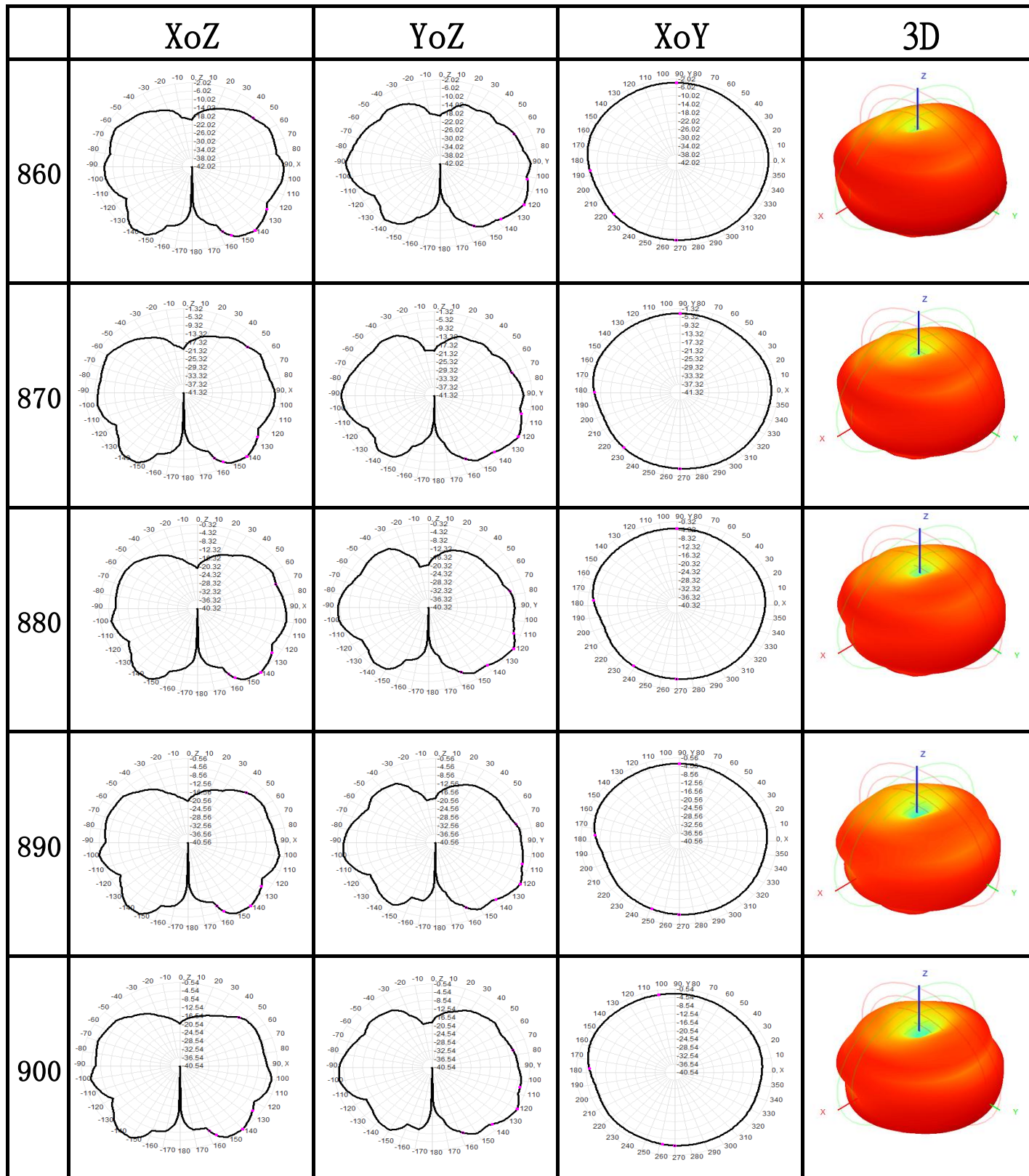


DONGGUAN SLEing INTEL-TECH CO., LTD

## Test Efficiency

| Frequency ID    | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency (MHz) | 860   | 870   | 880   | 890   | 900   | 910   | 920   | 930   |
| Gain (dBi)      | -2.78 | -1.77 | -1.10 | -0.13 | -0.52 | -0.36 | -0.51 | -0.35 |
| Efficiency (%)  | 18.49 | 21.61 | 25.17 | 29.43 | 30.01 | 30.81 | 30.33 | 29.22 |

# Patten



Patten

|     | XoZ | YoZ | XoY | 3D |
|-----|-----|-----|-----|----|
| 910 |     |     |     |    |
| 920 |     |     |     |    |
| 930 |     |     |     |    |
|     |     |     |     |    |
|     |     |     |     |    |