



# 专业无线终端天线供应商

|                |             |
|----------------|-------------|
| CUSTOMER NAME: | 涂鹤科技        |
| PRODUCT NAME:  | TYWE35      |
| Ren Feng P/N:  | 印制天线        |
| WRITED:        | 黄超          |
| DATE:          | 2017/8/29   |
| VERSIONS:      | V1.0 (天线测试) |

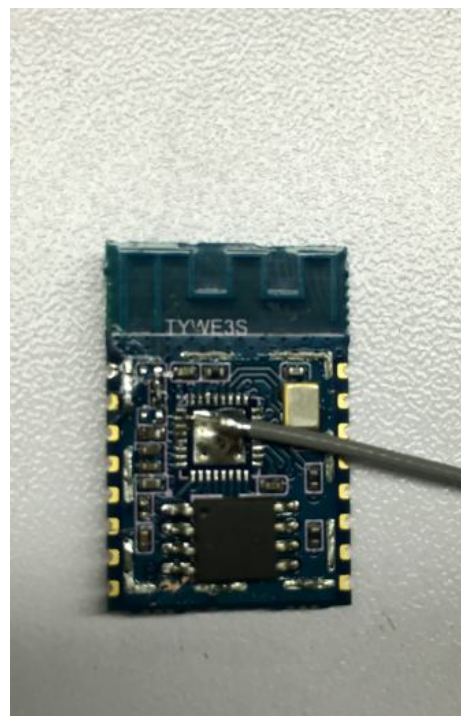
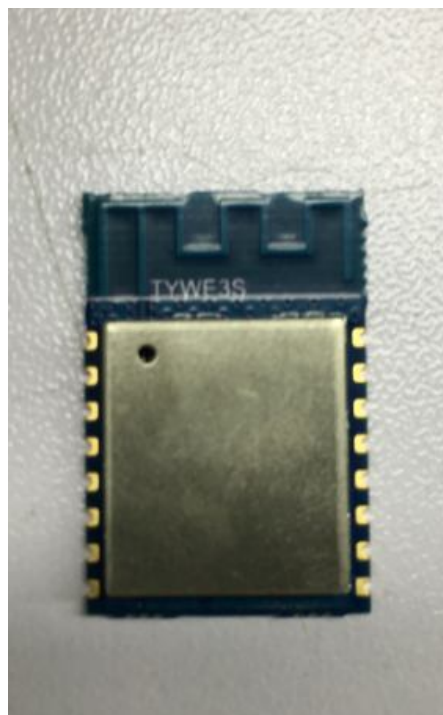
The **Wireless Connection** Unlimited Wonderful

无线连接 无限精彩



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Project



印制pcb天线

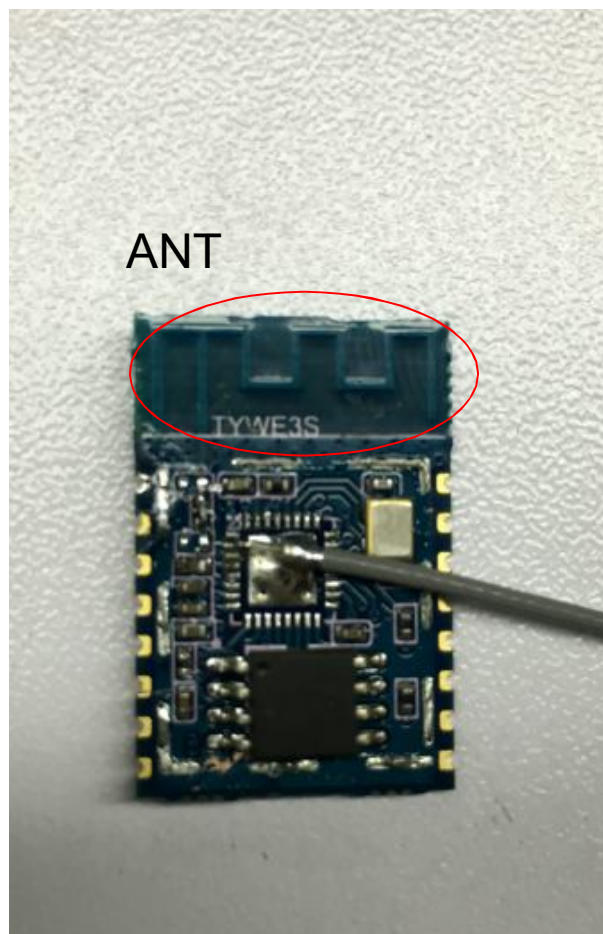
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Antenna structure

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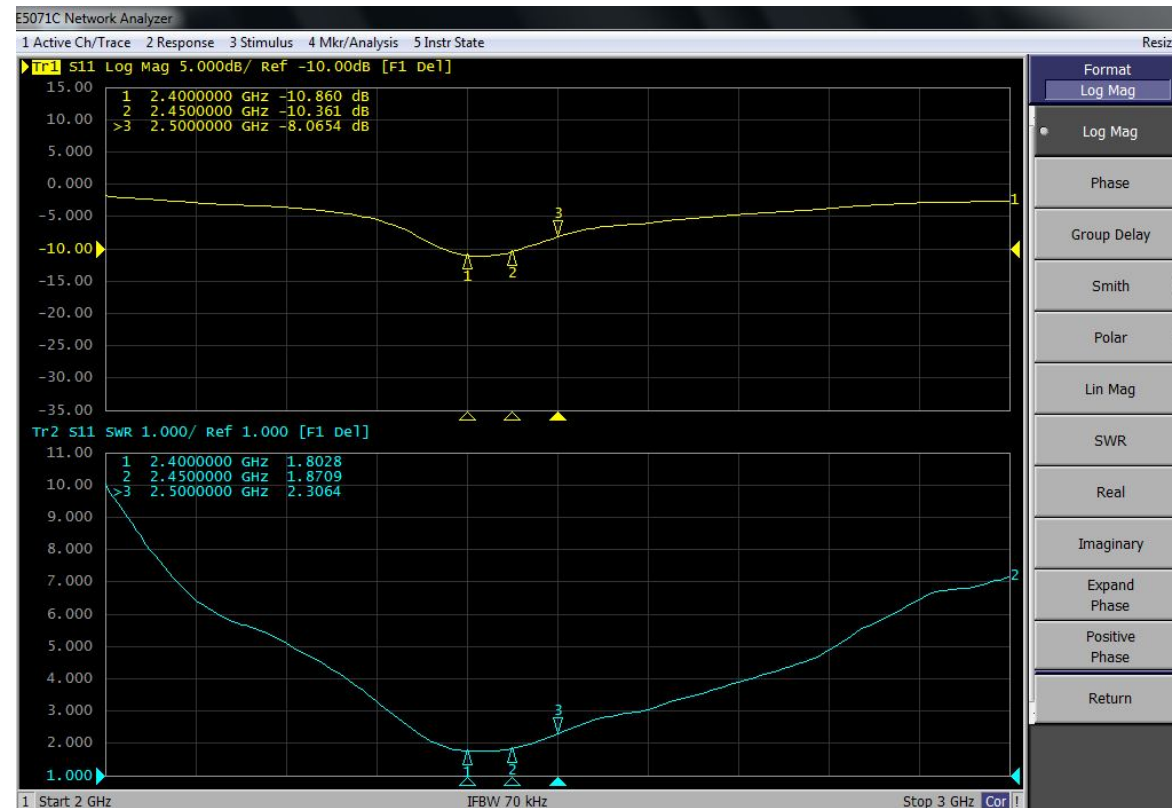
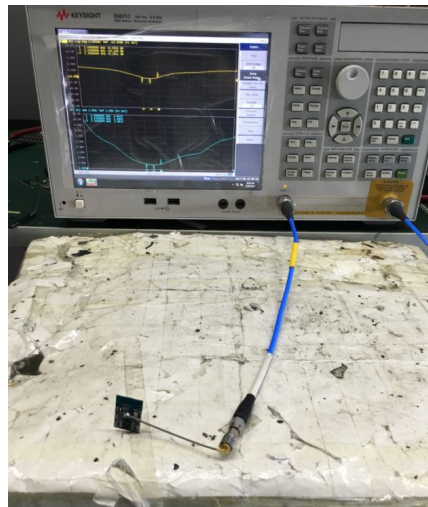
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# Measurement data

## Return Loss & VSWR-ANT



| Frequency (MHz) | 2400    | 2450    | 2500    |
|-----------------|---------|---------|---------|
| Return Loss     | -10.860 | -10.361 | -8.0654 |
| VSWR            | 1.8028  | 1.8709  | 2.3064  |

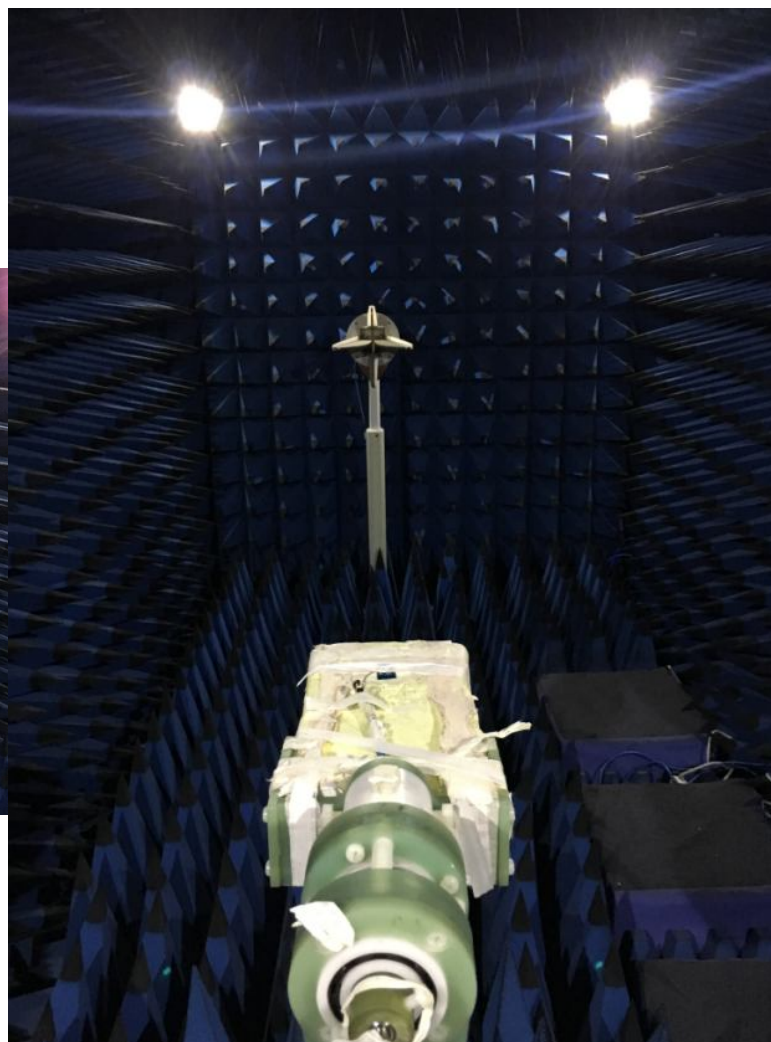
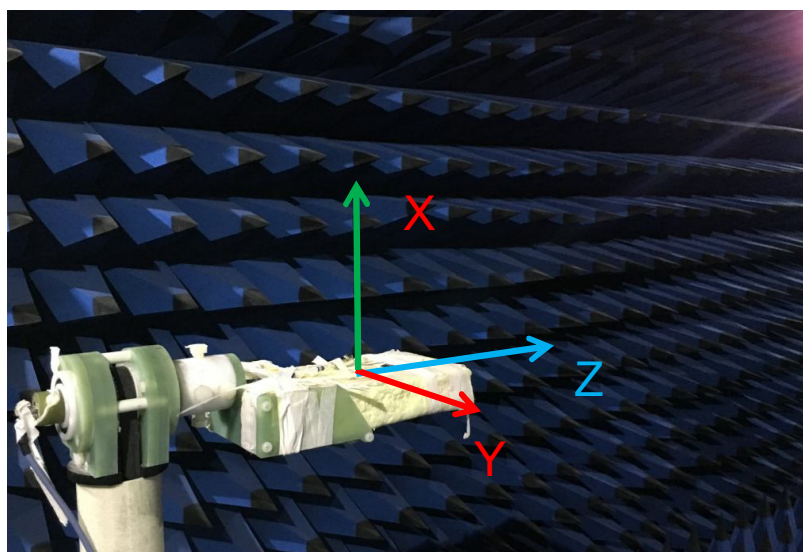
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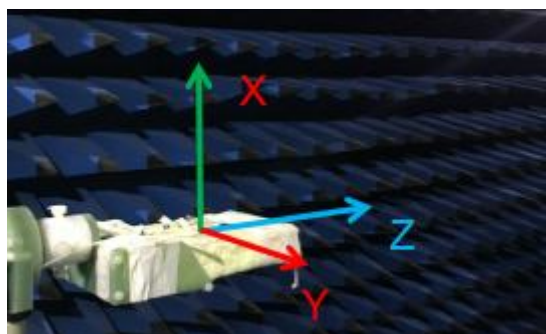
Radiation pattern



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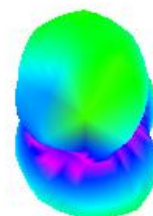
## Radiation pattern



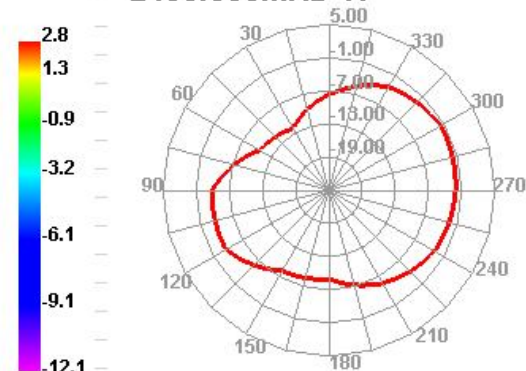
H面: XY  
E1面: XZ  
E2面: YZ

2400 MHz  
ANT →

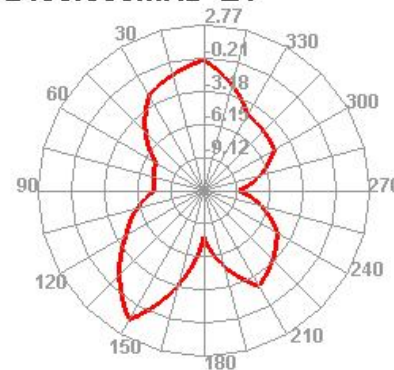
2400.000MHz



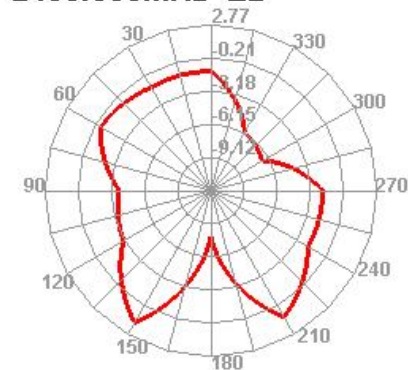
2400.000MHz H



2400.000MHz E1



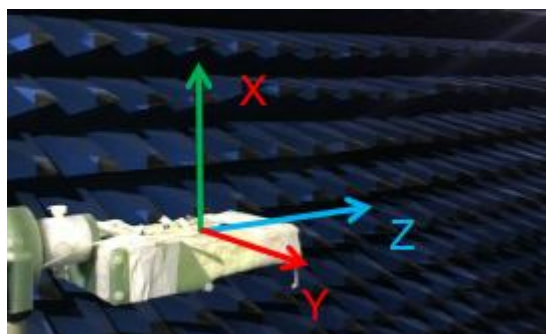
2400.000MHz E2



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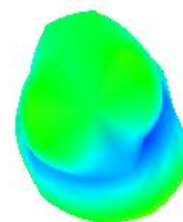
## Radiation pattern



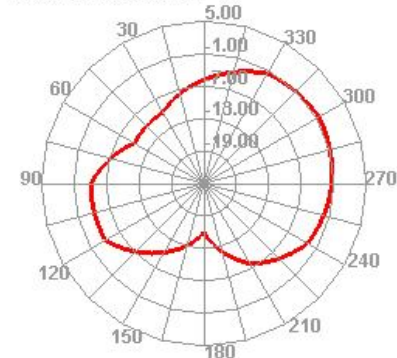
H面: XY  
E1面: XZ  
E2面: YZ

2450 MHz  
ANT →

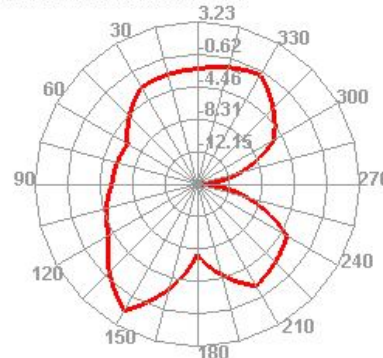
2450.000MHz



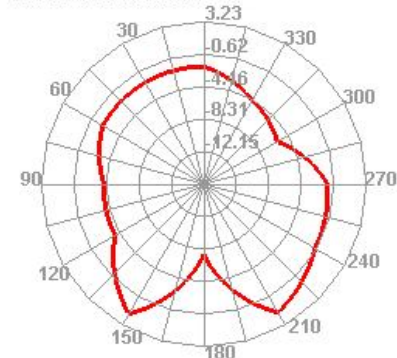
2450.000MHz H



2450.000MHz E1



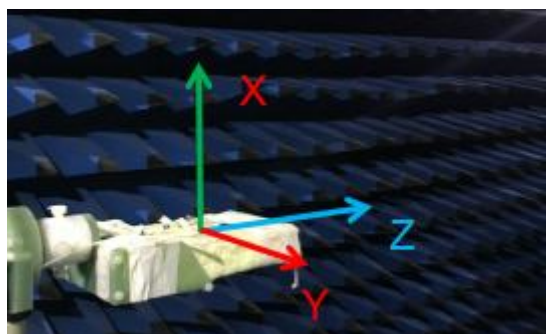
2450.000MHz E2



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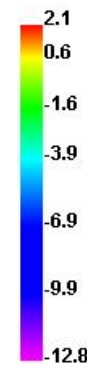
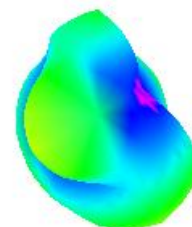
## Radiation pattern



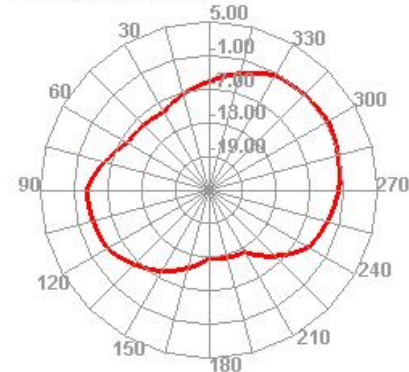
H面: XY  
E1面: XZ  
E2面: YZ

2500 MHz  
ANT

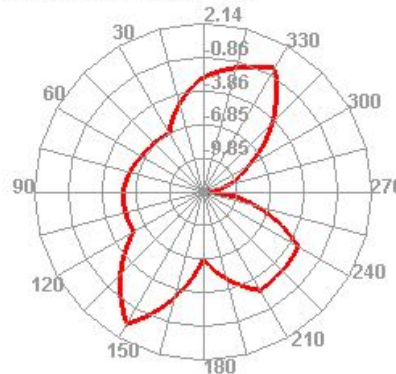
2500.000MHz



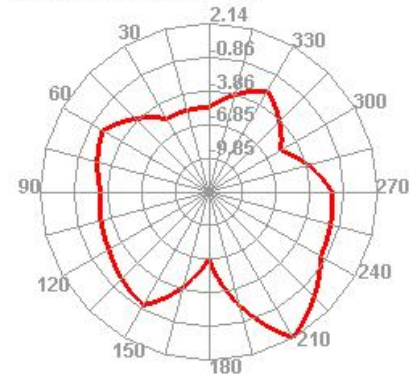
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



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# Gain table of Antenna

| Frequency (MHz) | ANT            |                 |
|-----------------|----------------|-----------------|
|                 | Efficiency (%) | Peak Gain (dBi) |
| 2400            | 43.1           | 2.77            |
| 2410            | 44.98          | 2.33            |
| 2420            | 43.57          | 2.17            |
| 2430            | 44.18          | 2.34            |
| 2440            | 44.55          | 2.56            |
| 2450            | 45.83          | 3.23            |
| 2460            | 46.48          | 2.69            |
| 2470            | 46.31          | 2.42            |
| 2480            | 45.7           | 2.03            |
| 2490            | 44.19          | 2.29            |
| 2500            | 41.61          | 2.14            |

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