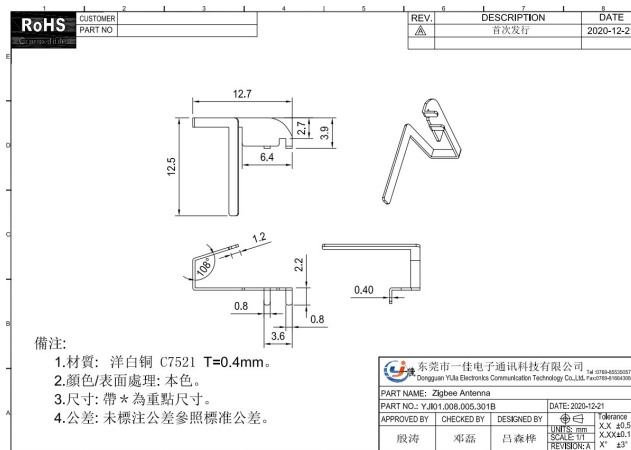


## 1. Antenna Information

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| Product Model | P2                                                                   |
| Antenna Model | P2-Zigbee                                                            |
| Antenna Type  | PIFA                                                                 |
| Manufacturer  | Dongguan Yijia Electronics Communication Science&Technology Co.,Ltd. |

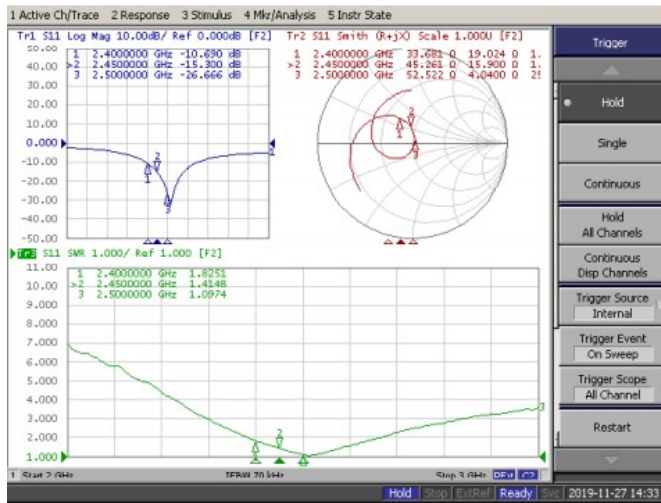
## 2. Antenna Picture



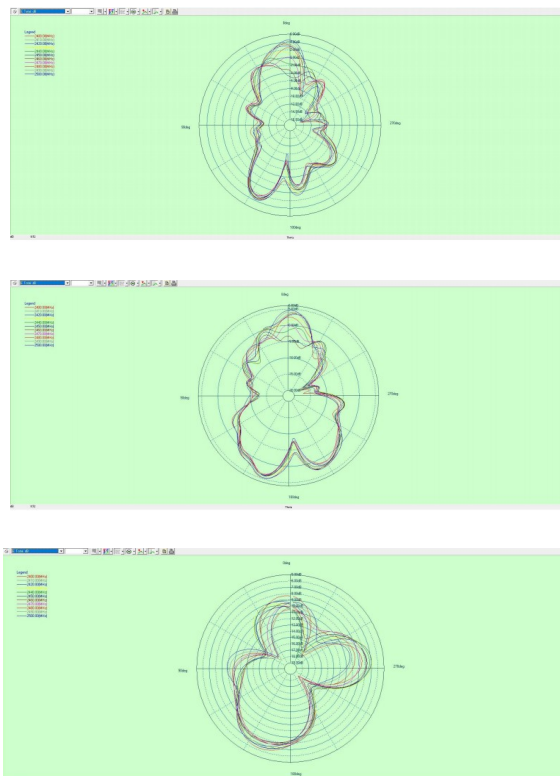
## 3. Electrical Specification

|                 |                  |
|-----------------|------------------|
| Frequency Range | 2400MHZ-2500 MHZ |
| Bandwidth       | 100MHz           |
| Input Impedence | 50Ω              |
| S11             | ≤-10 dB          |
| Peak Gain       | 1dBi             |

## 4. Antenna S11



## 5. Radiation Pattern



## 6. Test Results

| <b>Frequency ID</b> | <b>Frequency (MHz)</b> | <b>Gain (dBi)</b> | <b>Efficiency (dB)</b> | <b>Efficiency (%)</b> |
|---------------------|------------------------|-------------------|------------------------|-----------------------|
| <b>1</b>            | <b>2400</b>            | 0.82              | -3.58                  | 43.84                 |
| <b>2</b>            | <b>2410</b>            | 0.71              | -3.69                  | 42.8                  |
| <b>3</b>            | <b>2420</b>            | 0.54              | -3.95                  | 40.26                 |
| <b>4</b>            | <b>2430</b>            | 0.14              | -3.53                  | 44.36                 |
| <b>5</b>            | <b>2440</b>            | -0.19             | -3.87                  | 41                    |
| <b>6</b>            | <b>2450</b>            | -0.1              | -3.82                  | 41.51                 |
| <b>7</b>            | <b>2460</b>            | -0.09             | -3.78                  | 41.9                  |
| <b>8</b>            | <b>2470</b>            | -0.21             | -3.79                  | 41.78                 |
| <b>9</b>            | <b>2480</b>            | 0.15              | -3.47                  | 45                    |
| <b>10</b>           | <b>2490</b>            | 0.66              | -3.87                  | 41.02                 |
| <b>11</b>           | <b>2500</b>            | 0.95              | -3.71                  | 42.53                 |