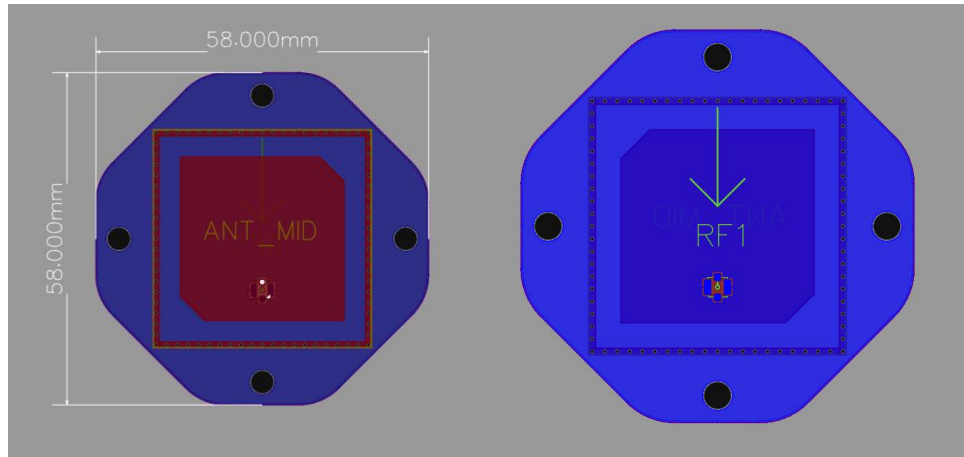


Manufacturer: Shanghai Intelligent And Connected Vehicle R&D Center Co., LTD  
Address: Building 27, 6055 Jinhai Road, Fengxian District, Shanghai

## 一、 Technical Specifications

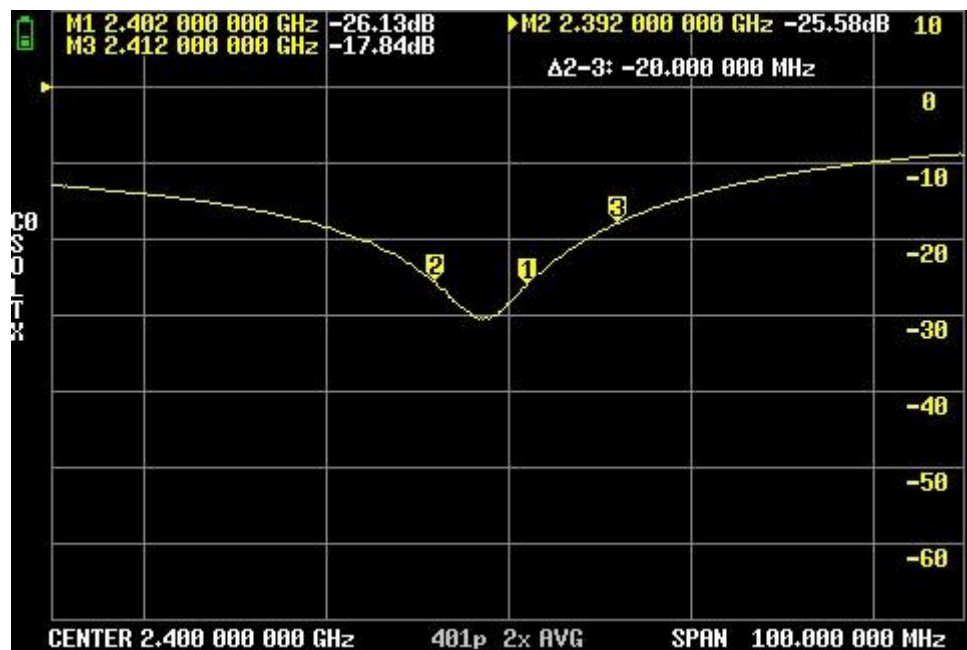
| Item                                  | Specification                    |
|---------------------------------------|----------------------------------|
| Model                                 | YT2402C10                        |
| Type                                  | Patch Antenna                    |
| Center Frequency                      | 2402MHz                          |
| Bandwidth                             | 10MHz                            |
| Gain                                  | 0dBi                             |
| Polarization                          | Right-Hand Circular Polarization |
| Voltage Standing<br>Wave Ratio (VSWR) | $\leq 2.0$                       |
| Impedance                             | 50 $\Omega$                      |
| Dimensions                            | 58mm×58mm×1.6mm                  |
| Interface Type                        | IPEX 1st Generation              |
| Number of Interfaces                  | 25                               |

## 二、 Antenna PCB Design



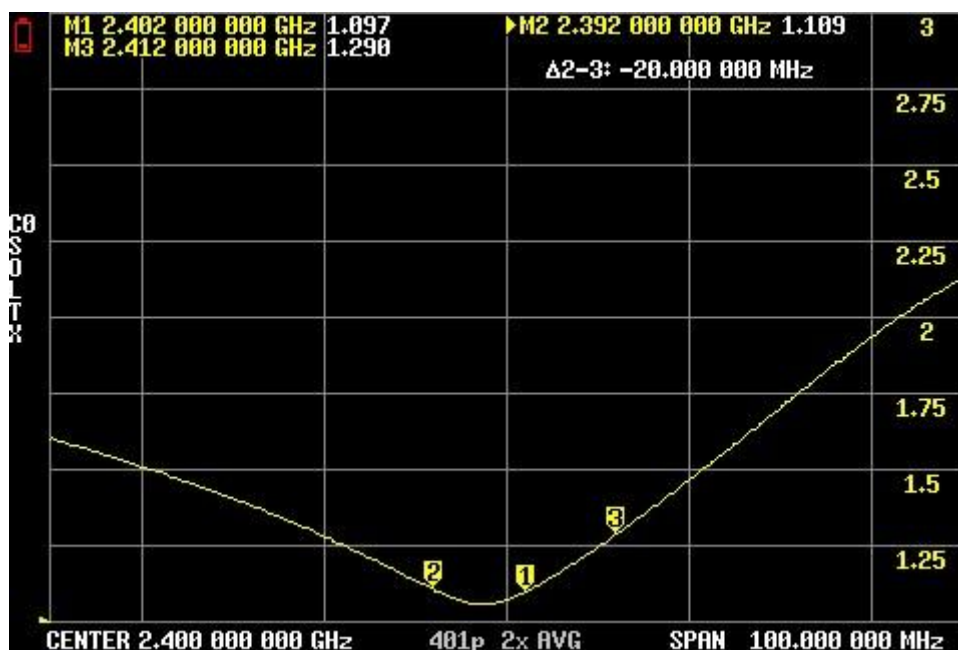
Central Plate (Front and Back)

### 三、Antenna Testing



Return Loss Test Record

| Frequency (MHz) | S11 (dB) |
|-----------------|----------|
| 2392            | -25.58   |
| 2402            | -26.13   |
| 2412            | -17.84   |

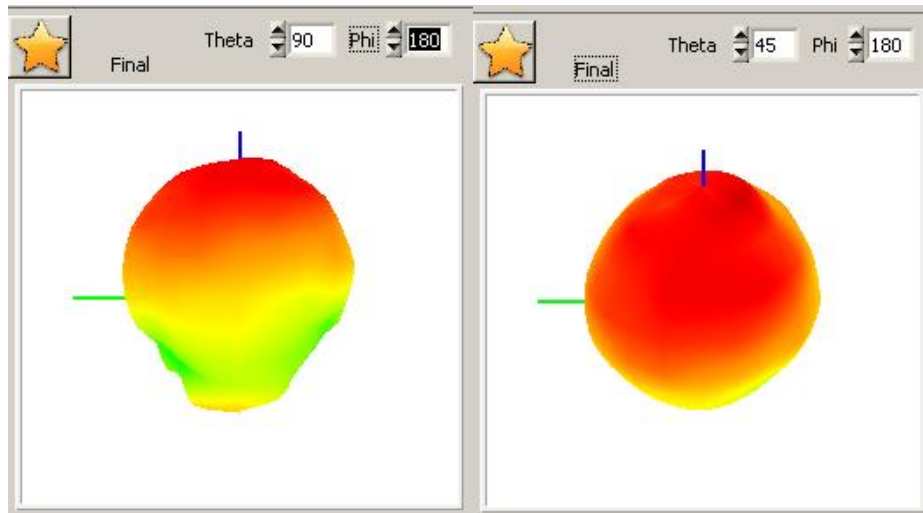


VSWR Test Record

| Frequency (MHz) | VSWR  |
|-----------------|-------|
| 2392            | 1.109 |
| 2402            | 1.097 |
| 2412            | 1.29  |

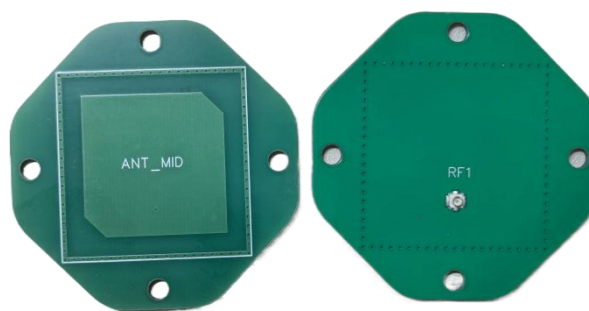
Reference Values

| S11                    | -6.02dB | -7.36dB | -10dB | -13dB | -20dB |
|------------------------|---------|---------|-------|-------|-------|
| VSWR                   | 3       | 2.5     | 1.92  | 1.576 | 1.22  |
| Reflection Power Ratio | 25%     | 18.37%  | 10%   | 5%    | 0.98% |



Unit Antenna Pattern Test Record

#### 四、 Antenna Physical Object



Front and Back of Antenna Center Plate