

# **JDY-23 BTANT**

## **Test report**

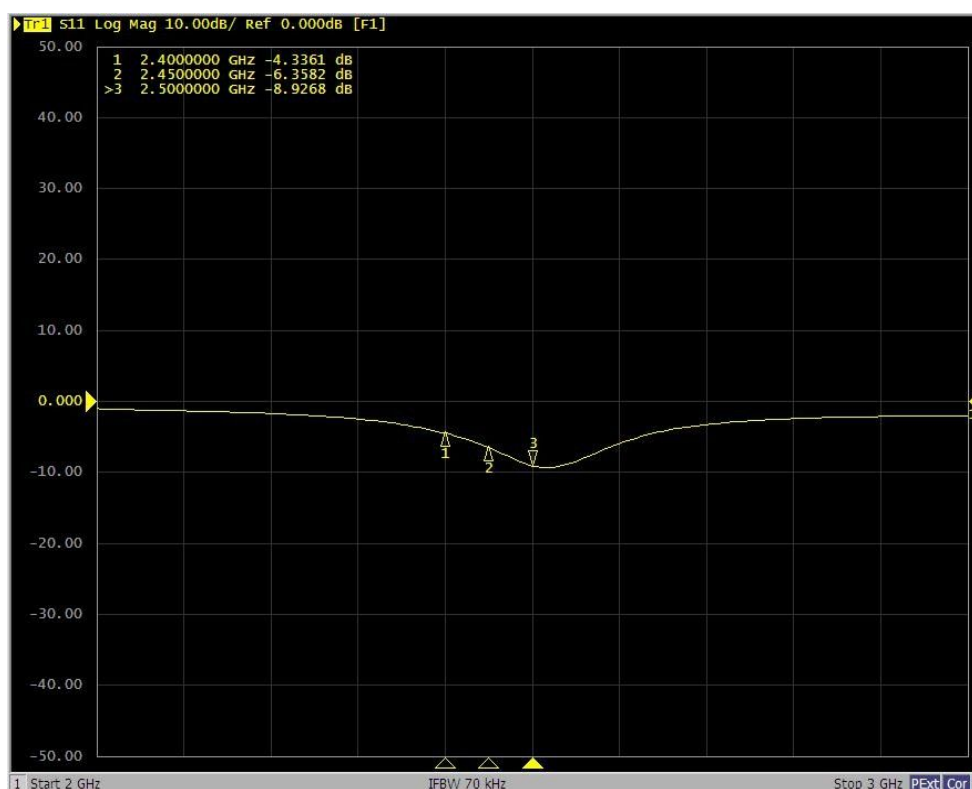
**-RFsister**

## 1.Electrical Characteristics

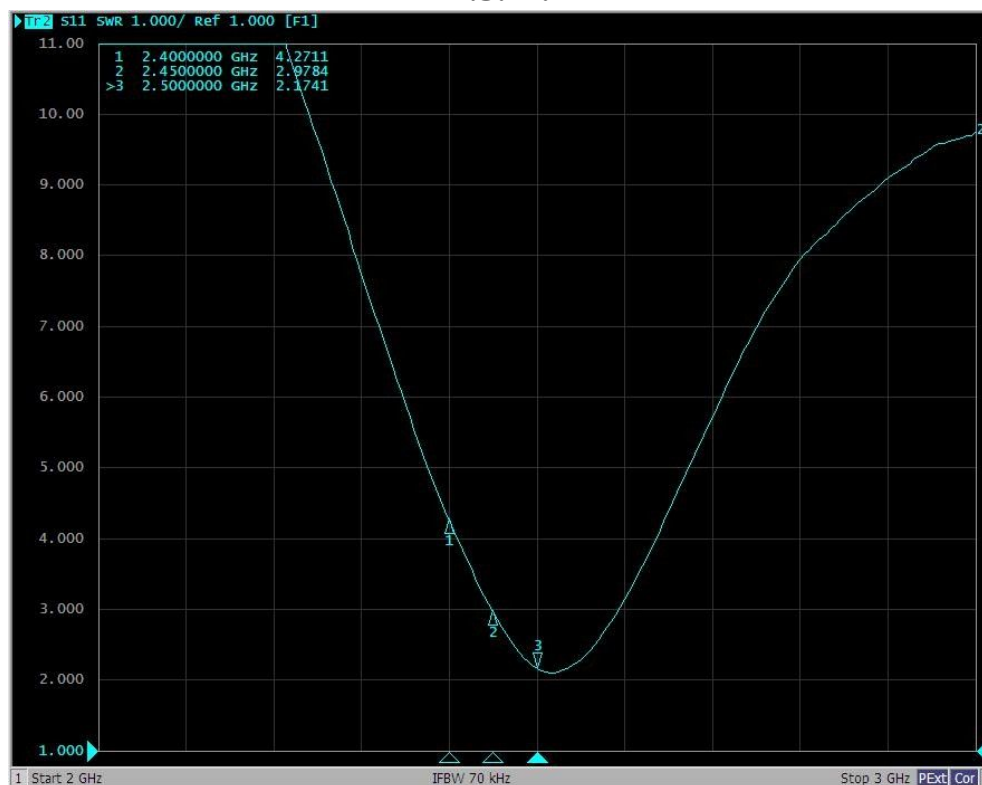
| No. | Item                      | Specifications           |
|-----|---------------------------|--------------------------|
| 1   | Working Central Frequency | 2450 MHz                 |
| 2   | Band Width                | ±75 MHz ( 2400~2500MHz ) |
| 3   | Gain                      | -3.68dbi max             |
| 4   | V.S.W.R (in BW)           | ≤4.3                     |
| 5   | Polarization              | Linear                   |
| 6   | Azimuth Beam width        | Omni-directional         |
| 7   | Impedance 阻抗              | 50                       |

## 2.Return Loss and Smith Chat

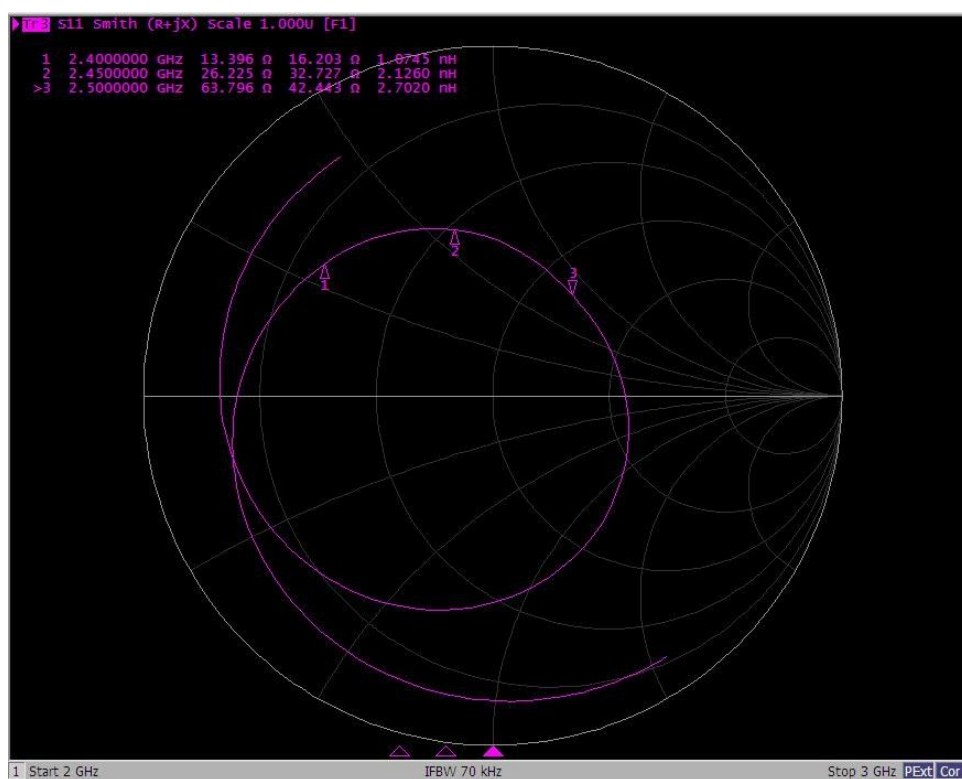
### Return Loss



## V.S.W.R



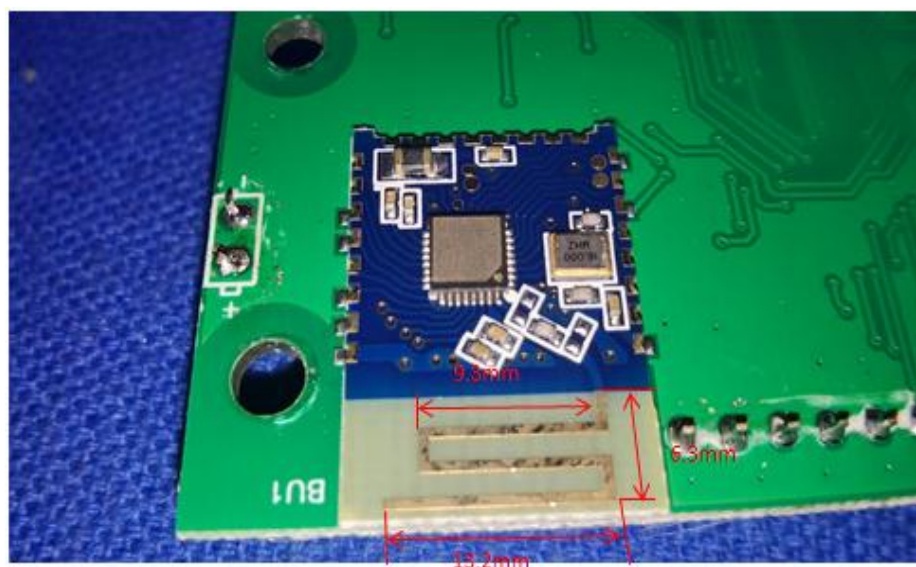
## Smith Chat



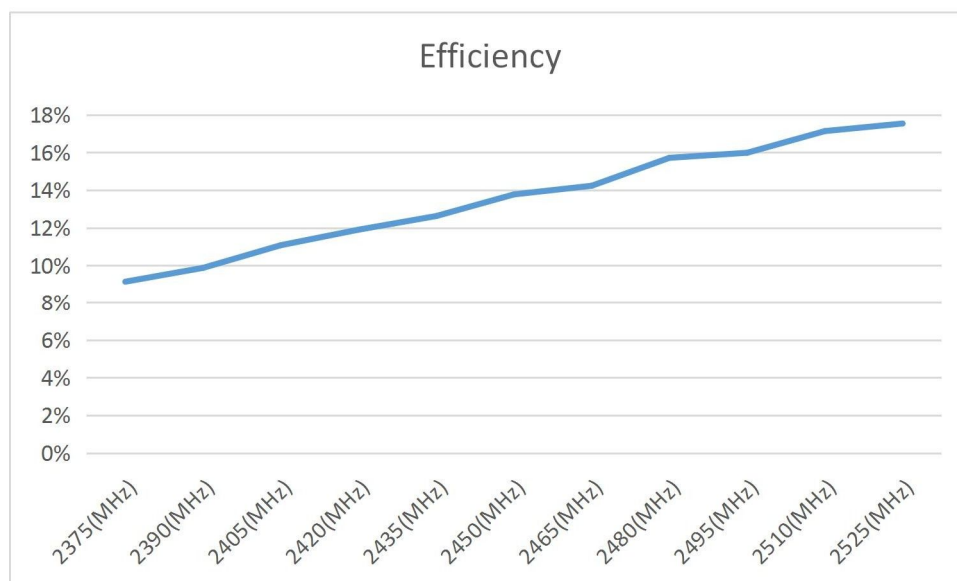
### 3. Physical Test Environment

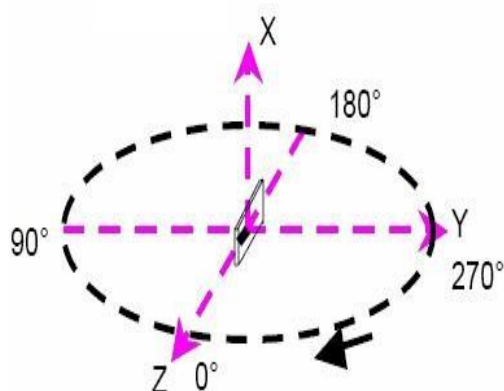
E5071C 网络分析仪

### 4. Shape of the antenna and length(mm)

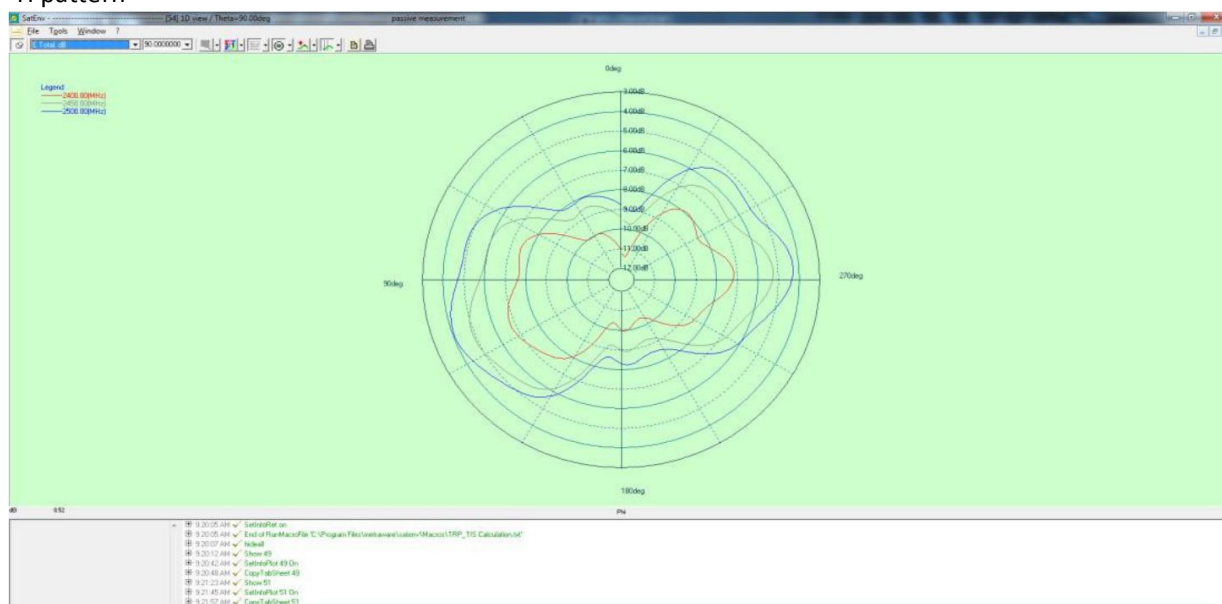


Efficiency:

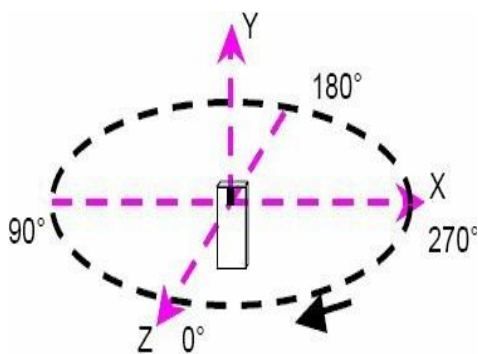




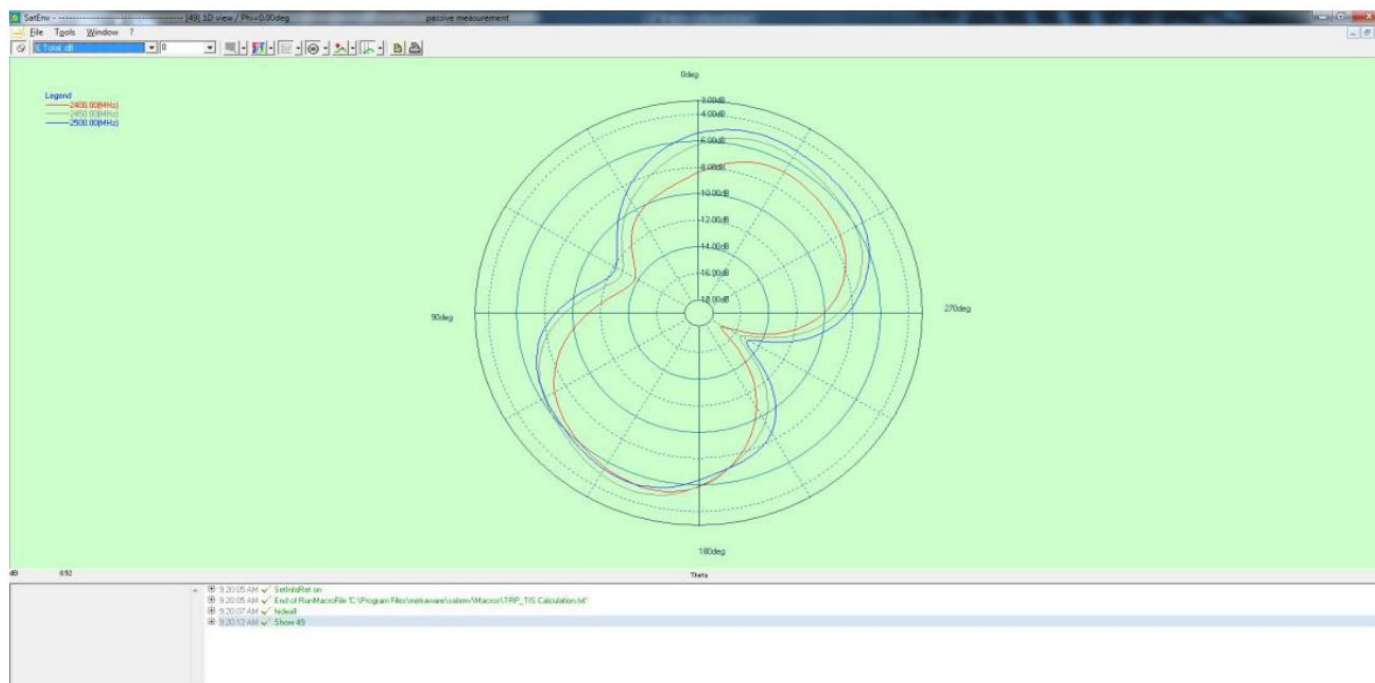
H pattern



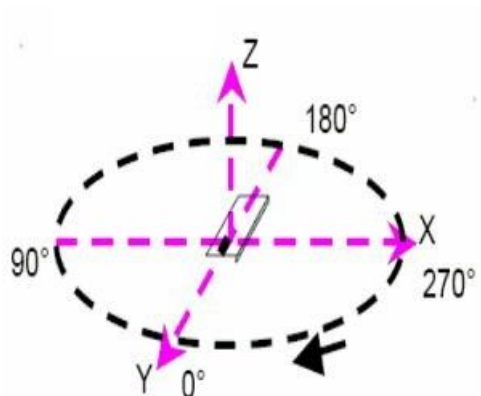
| Fre(Mhz)   | Max gain(dB) | Degree     |
|------------|--------------|------------|
| 2400 (MHz) | -6.79 dB     | 114.00 deg |
| 2450 (MHz) | -4.92 dB     | 112.00 deg |
| 2500 (MHz) | -4.07 dB     | 108.00 deg |



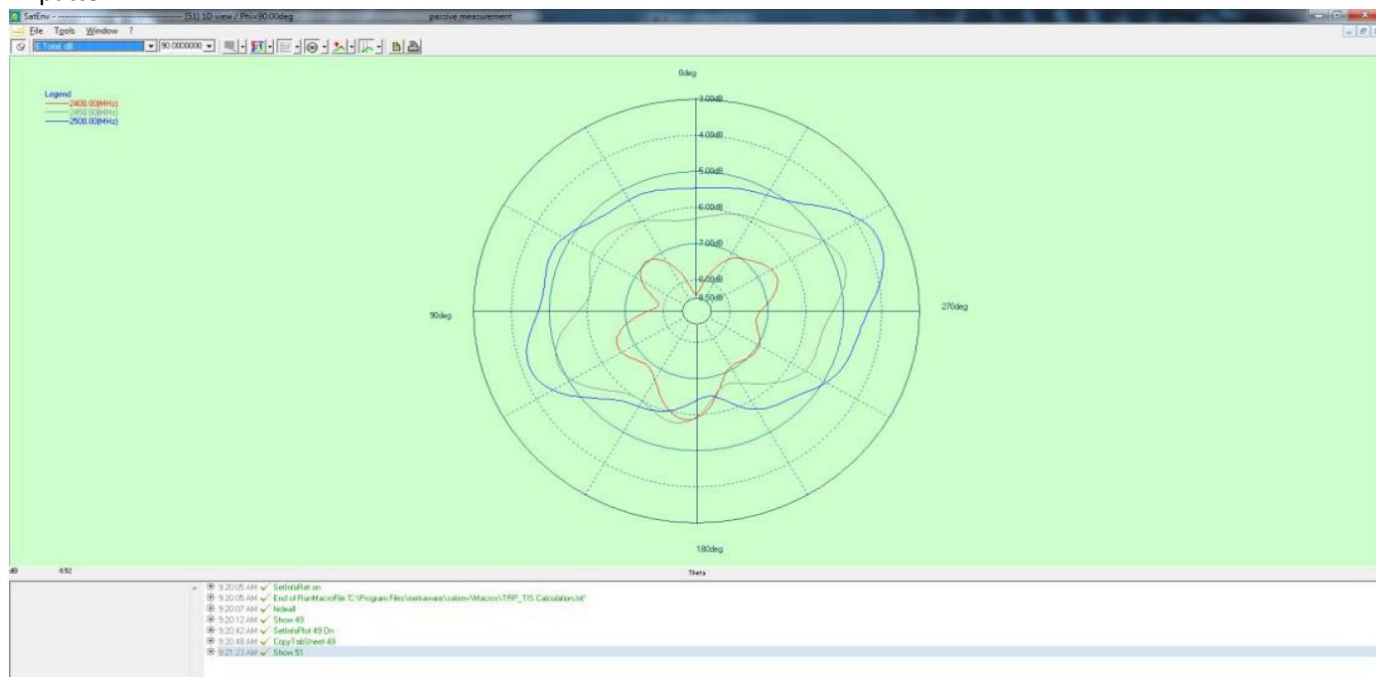
### E1 pattern



| Fre(Mhz)   | Max gain(dB) | Degree     |
|------------|--------------|------------|
| 2400 (MHz) | -5.29 dB     | 164.00 deg |
| 2450 (MHz) | -4.80 dB     | 160.00 deg |
| 2500 (MHz) | -4.87 dB     | -20.00 deg |



E2 pattern



| Fre(Mhz)   | Max gain(dB) | Degree     |
|------------|--------------|------------|
| 2400 (MHz) | -5.86 dB     | 174.00 deg |
| 2450 (MHz) | -4.78 dB     | -70.00 deg |
| 2500 (MHz) | -3.68 dB     | -68.00 deg |