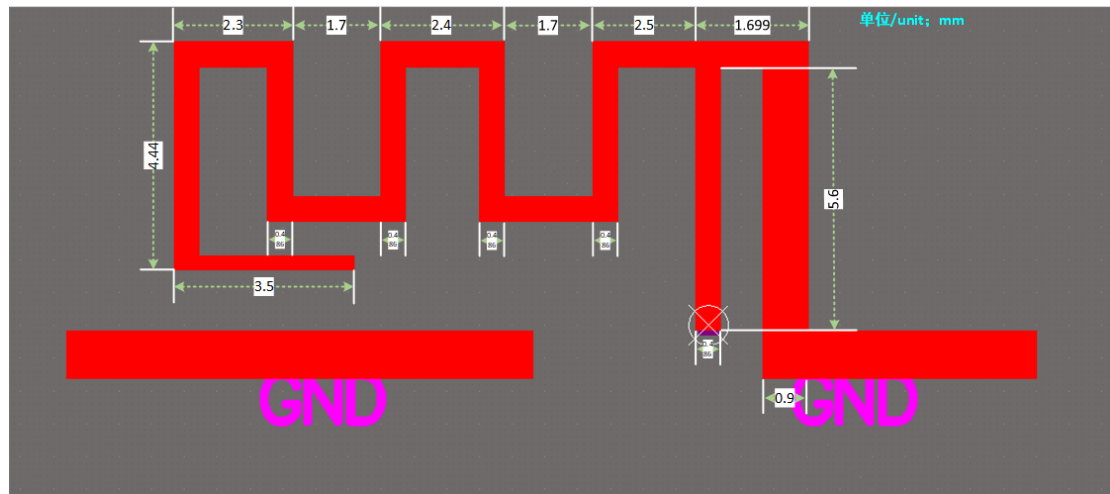


## On-board Antenna Datasheet

### 1. Detailed dimensional specifications for the on-board antenna



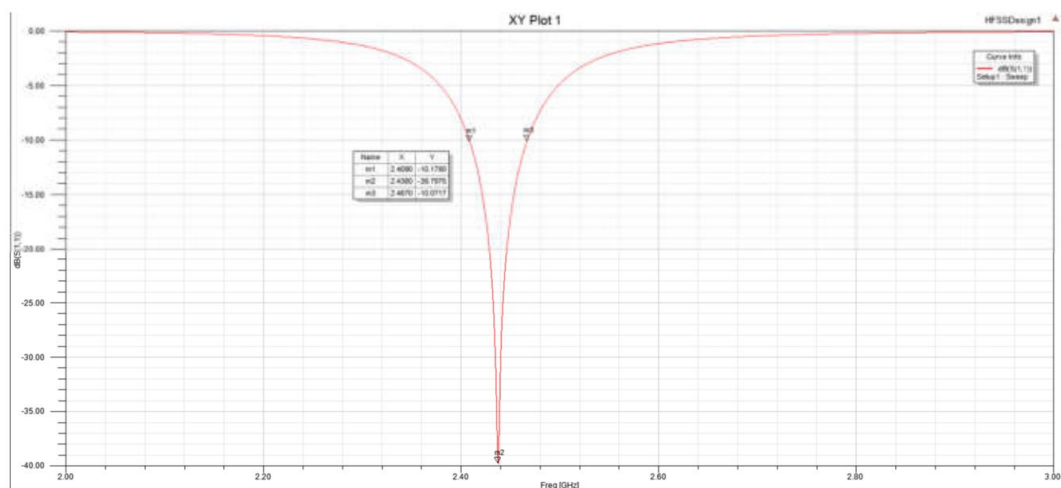
### 2. Features

- Ultra-small size: 2.8\*9.95mm
- 50 ohm impedance
- Maximum gain: 1.3dBi
- Operates in the 2.4GHz band
- Manufacture: Nanjing Qinheng Microelectronics Co., Ltd

### 3. Antenna S parameter

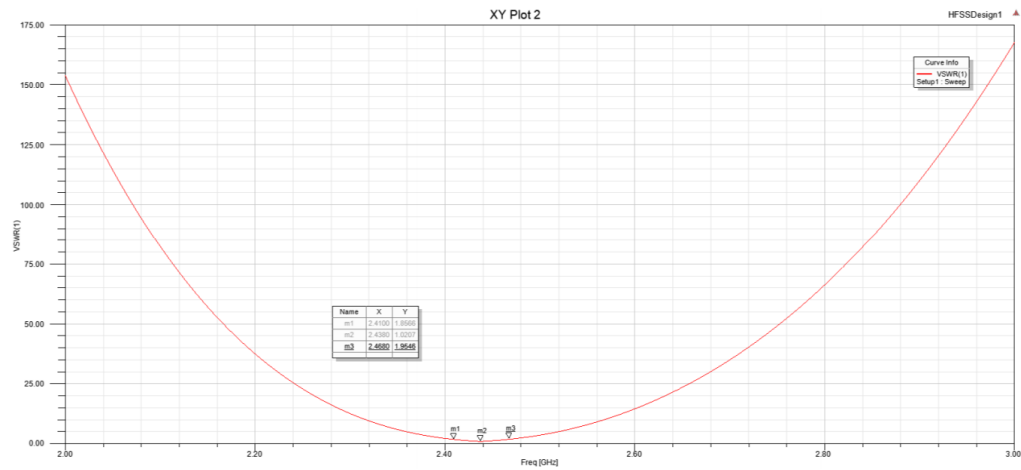
10dB operating bandwidth: 58MHz

Center band S11: -39.8dB@2.438GHz

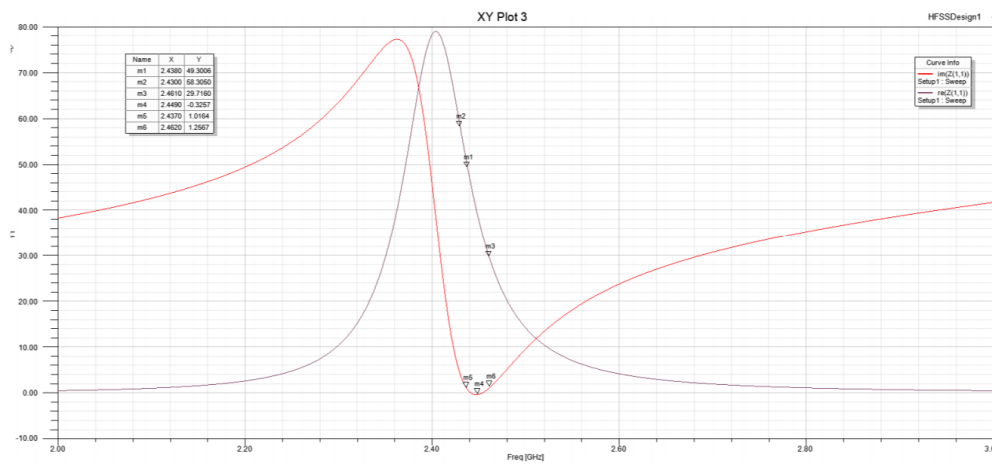


### 4. Antenna impedance and VSWR

Center point VSWR: [1.02@2.438GHz](#)

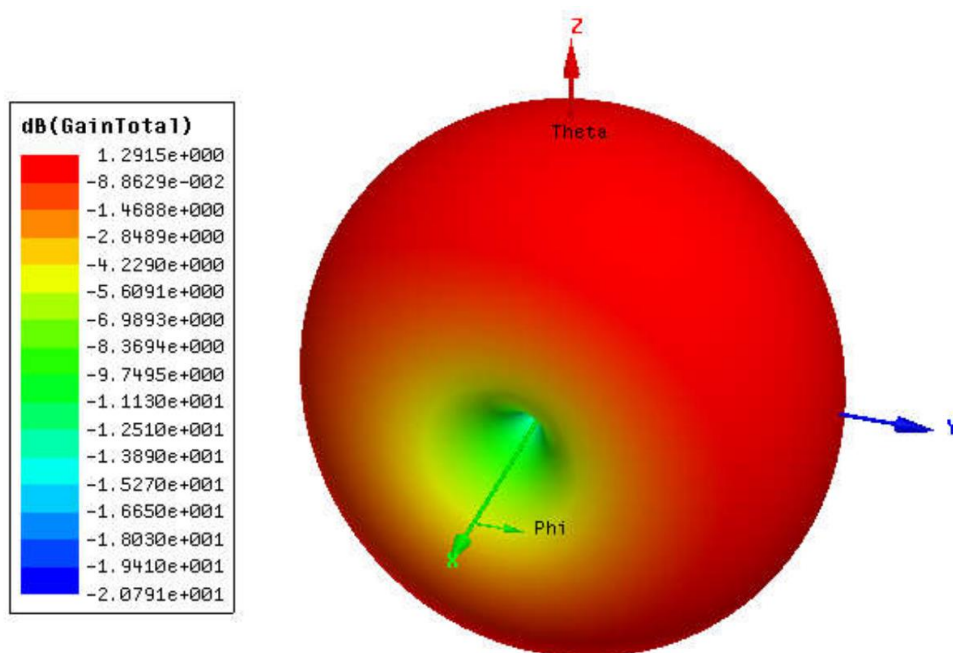


Center frequency point impedance: 50 ohms @ 2.438GHz



## 5. Antenna gain

Maximum directional gain: 1.29dBi



E-side

