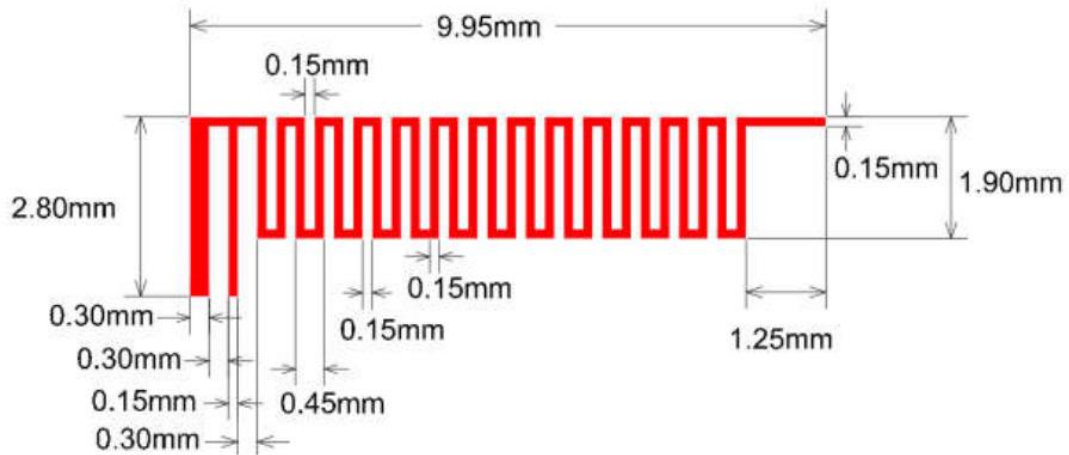


On-board Antenna Datasheet

1. Detailed dimensional specifications for the on-board antenna



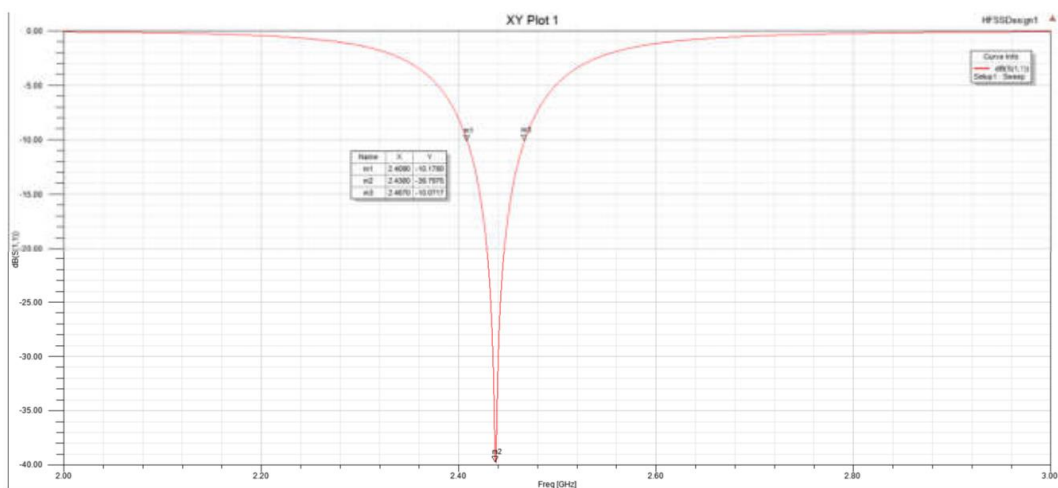
2. Features

- Ultra-small size: 2.8*9.95mm
- 50 ohm impedance
- Maximum gain: 1.29dBi
- Operates in the 2.4GHz band
- Manufacture: Nanjing Qinheng Microelectronics Co., Ltd
- Adress: No. 18, Ningshuang Road, Yuhuatai District, Nanjing City, Jiangsu Province, China

3. Antenna S parameter

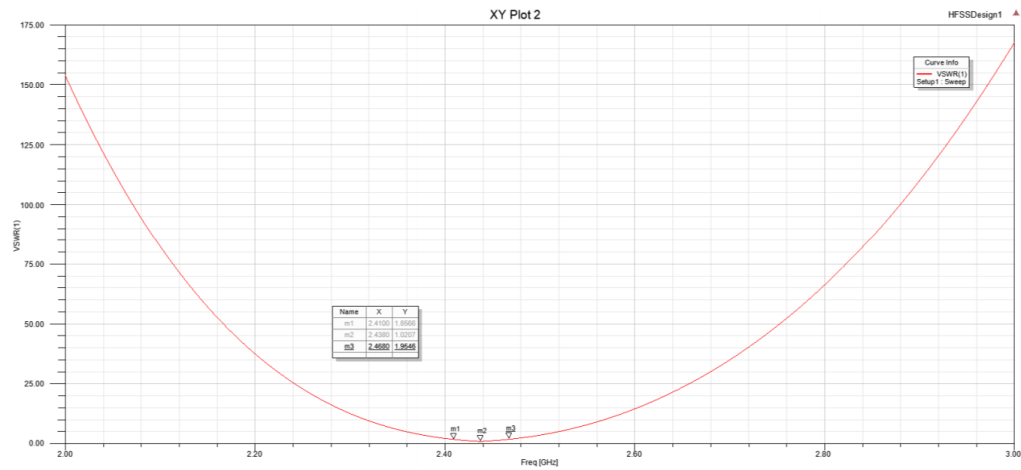
10dB operating bandwidth: 58MHz

Center band S11:-39.8dB@2.438GHz

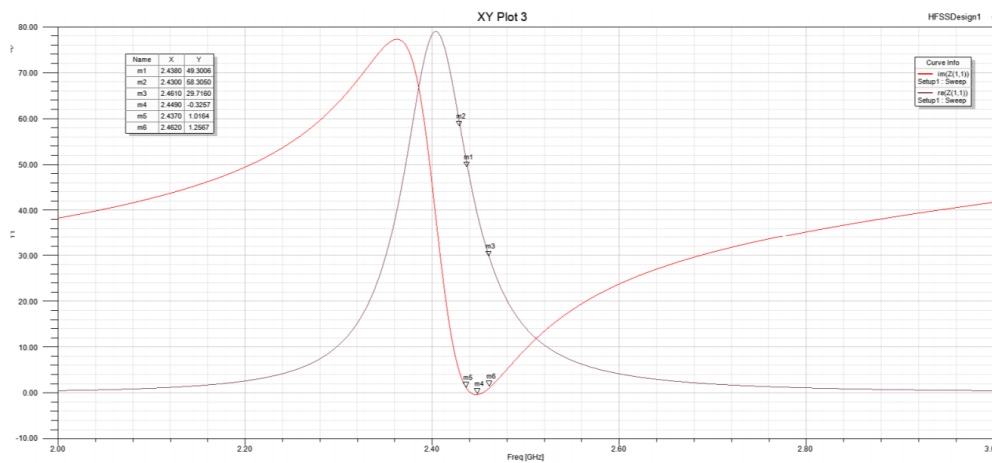


4. Antenna impedance and VSWR

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

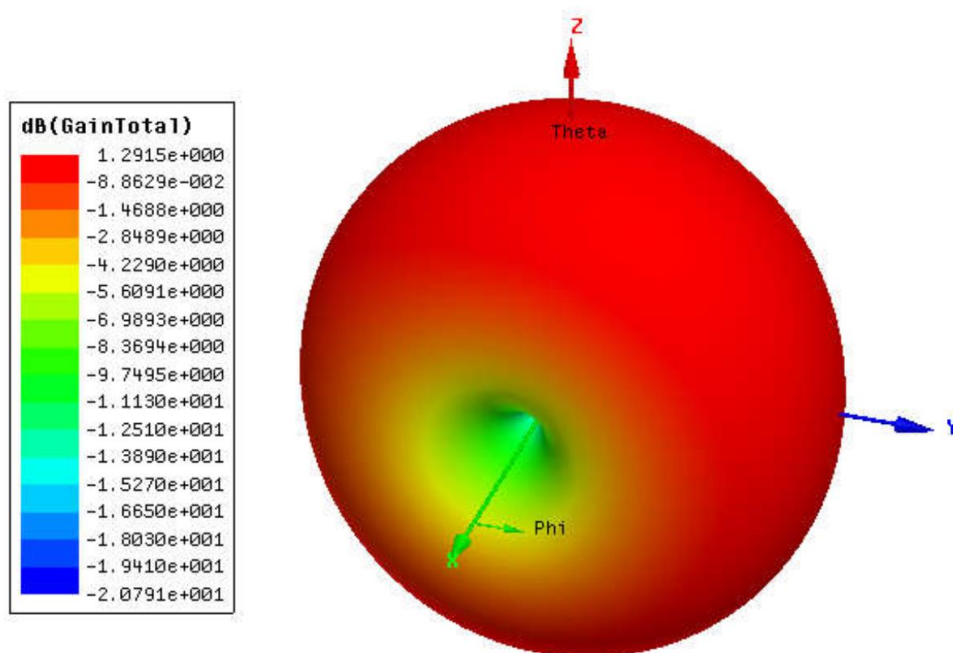


Center frequency point impedance: 50 ohms @ 2.438GHz

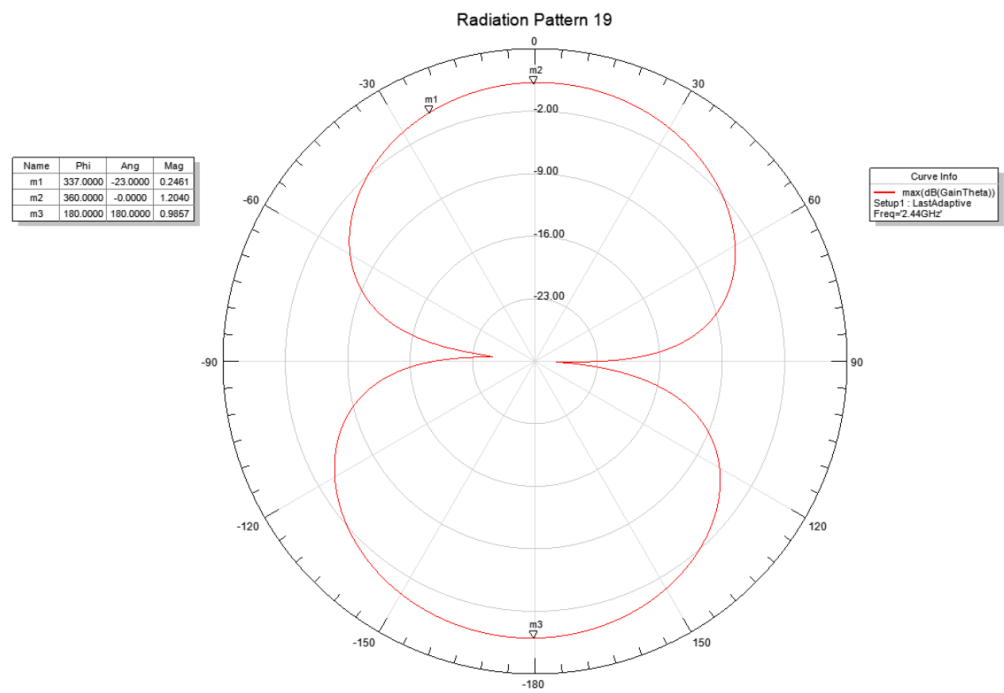


5. Antenna gain

Maximum directional gain: 1.29dBi



E-side



Frequency range: 2400 - 2500 MHz