

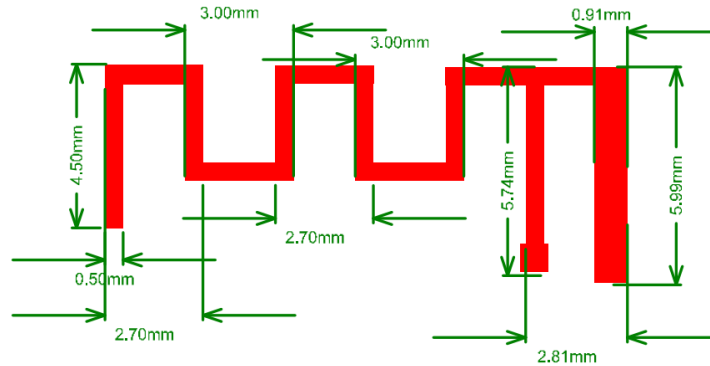
Applicant: Suzhou BeeLinker Technology Co., Ltd

Address: No. 399 Lin Quan Road, Suzhou Industrial Park, Jiangsu Province, P. R. China

Model: BLM5550

## PCB Antenna for BLE Chips of WCH

### 1、 Dimension of Antenna



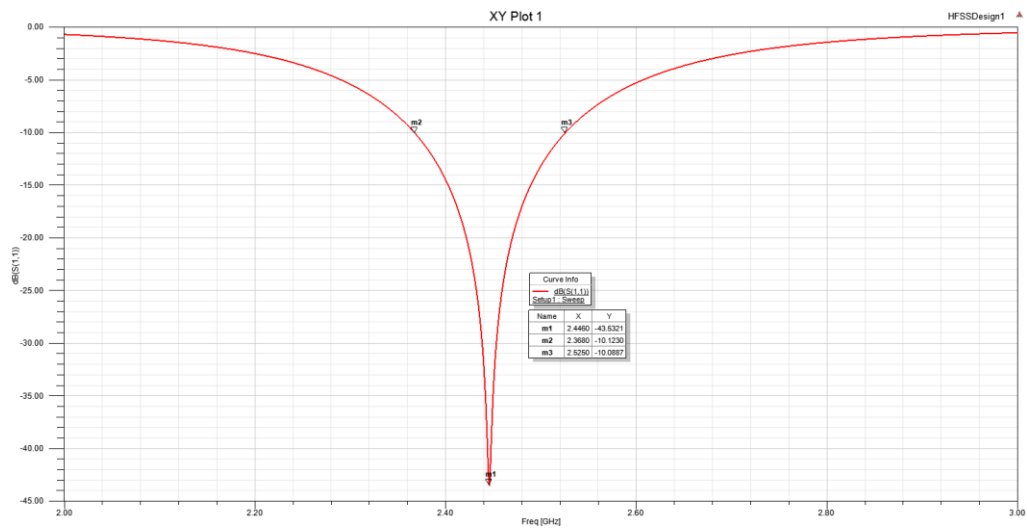
### 2、 Features

- Dimension: 5.99 \* 14.39 mm
- Terminal impedance: 50 ohm Max
- Gain: 2.1 dBi
- RF Frequency: 2.4GHz

### 3、 S parameter

Working bandwidth: 157MHz

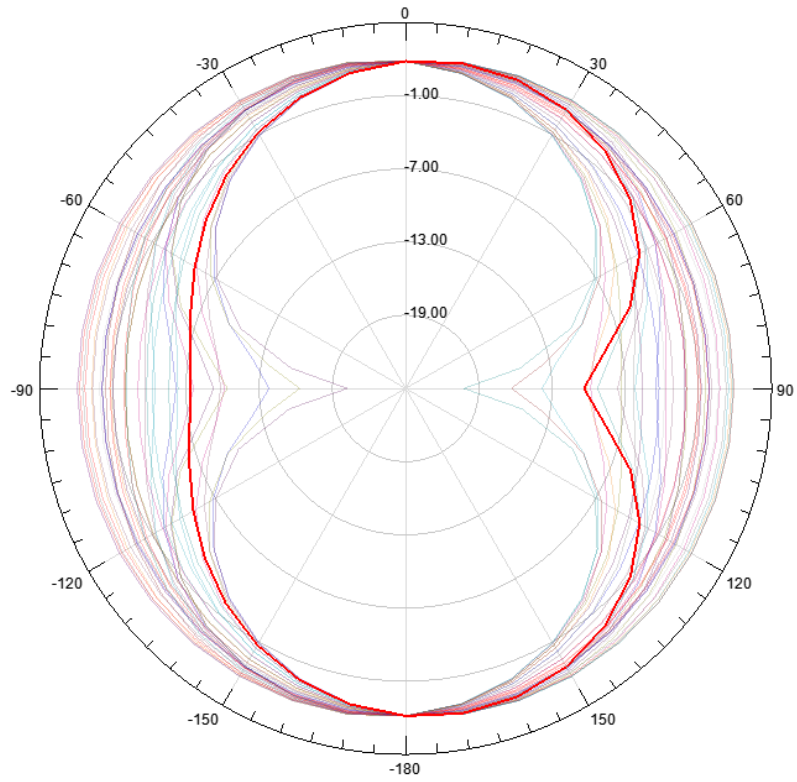
S11: -43.5dB@2.44GHz



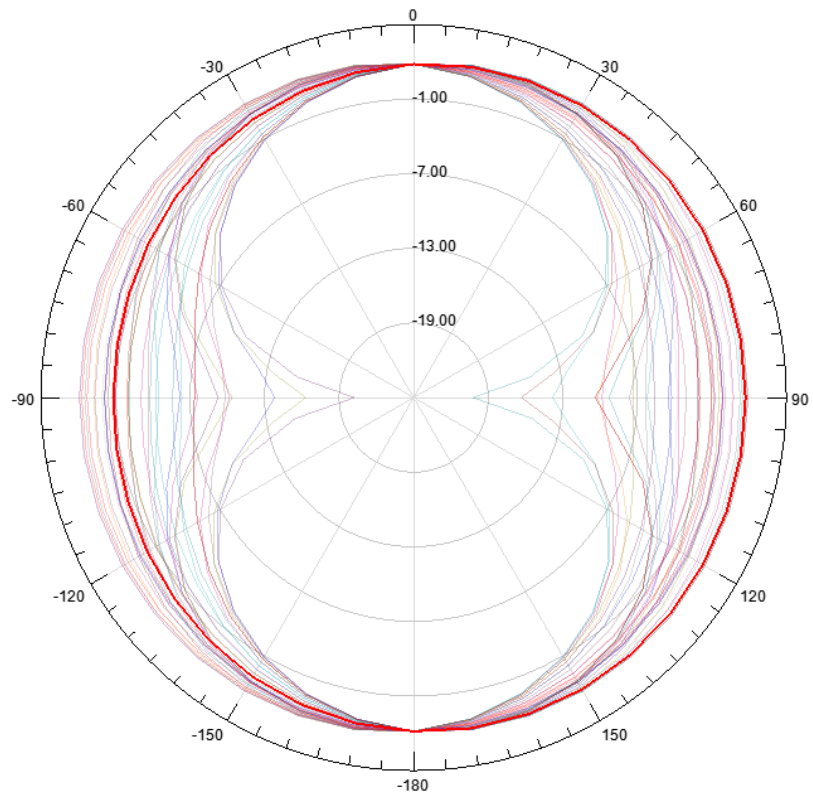
#### 4、 Gain and Radiation pattern

Max gain @2.4GHz: 2.08dBi

E plane:

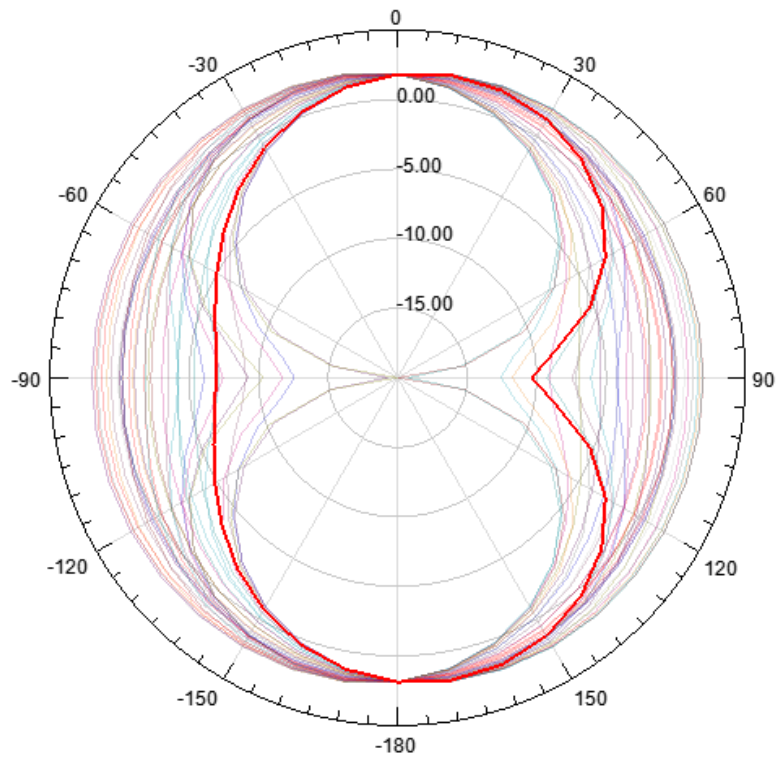


H plane:

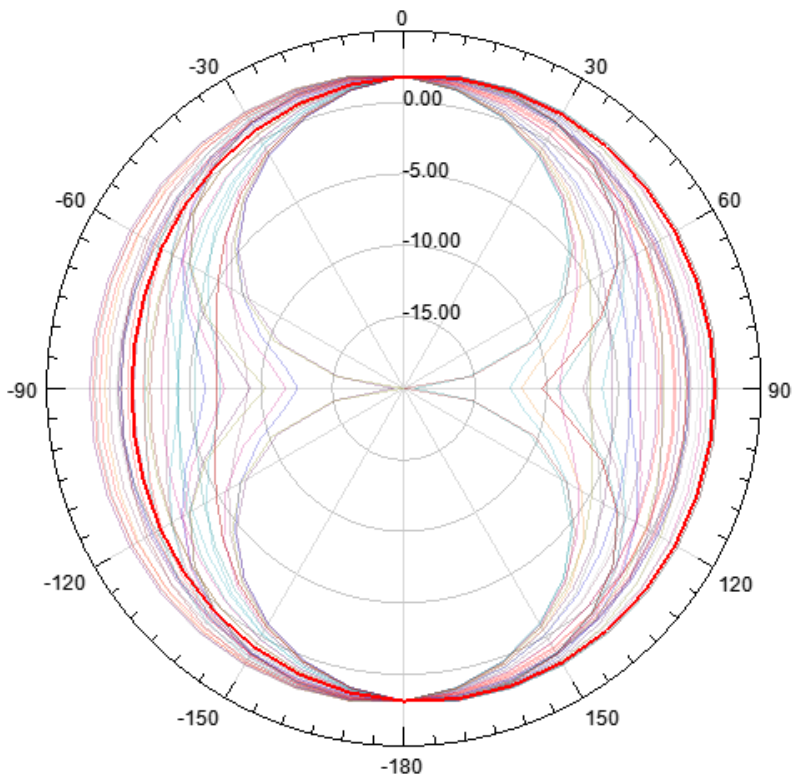


Max Gain @2.44GHz: 2.1dBi

E plane:

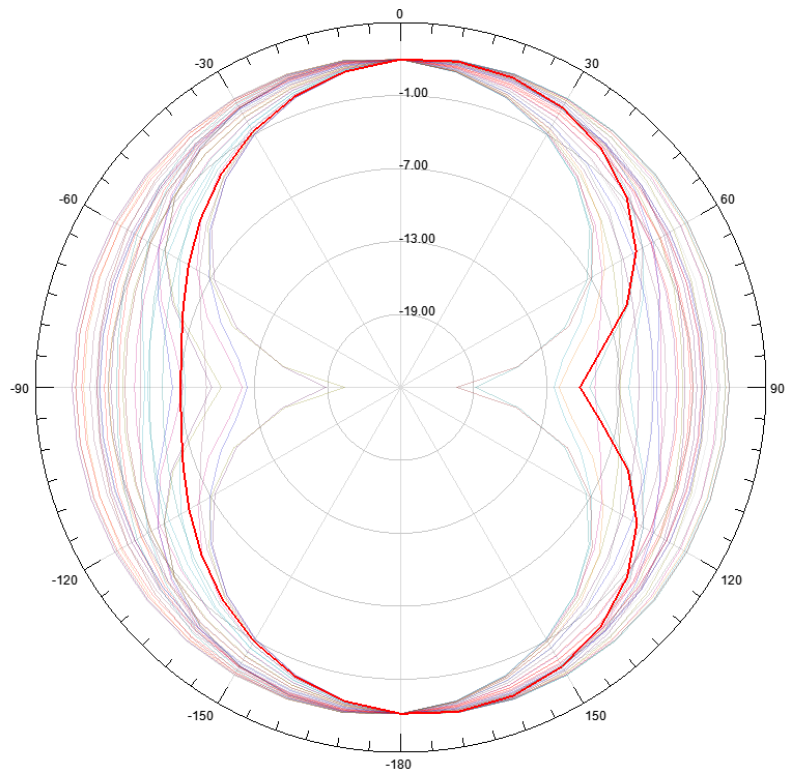


H plane:

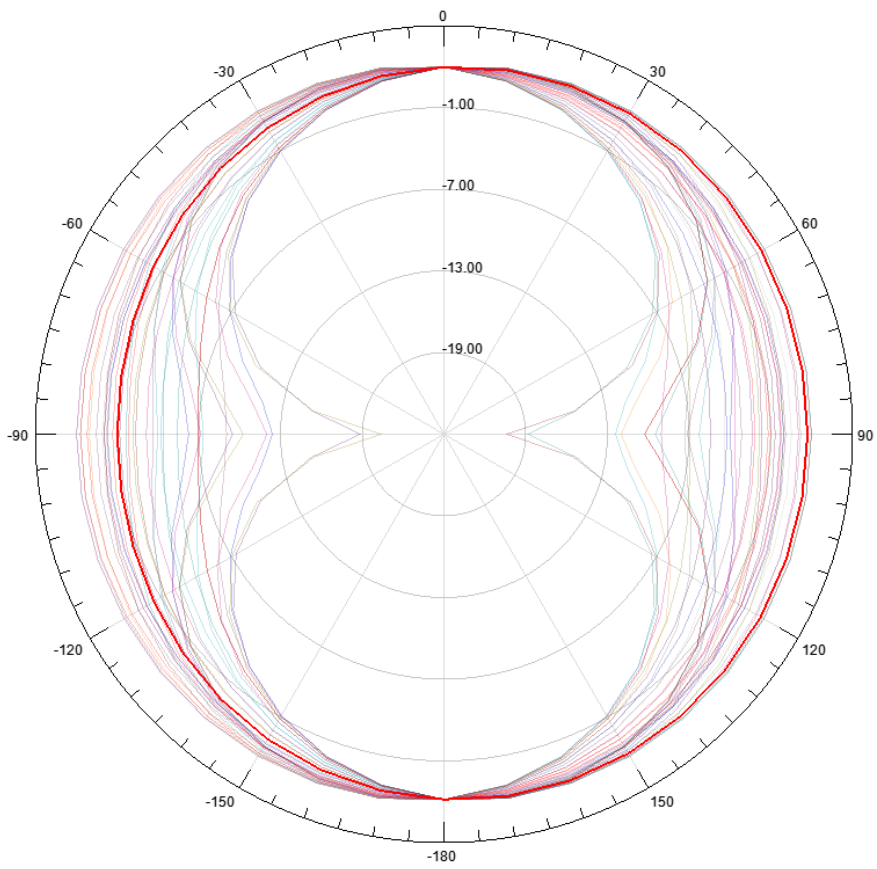


Max Gain @2.48GHz: 2.04dBi

E plane:



H plane:



# The Environment of Antenna Radiation Pattern

