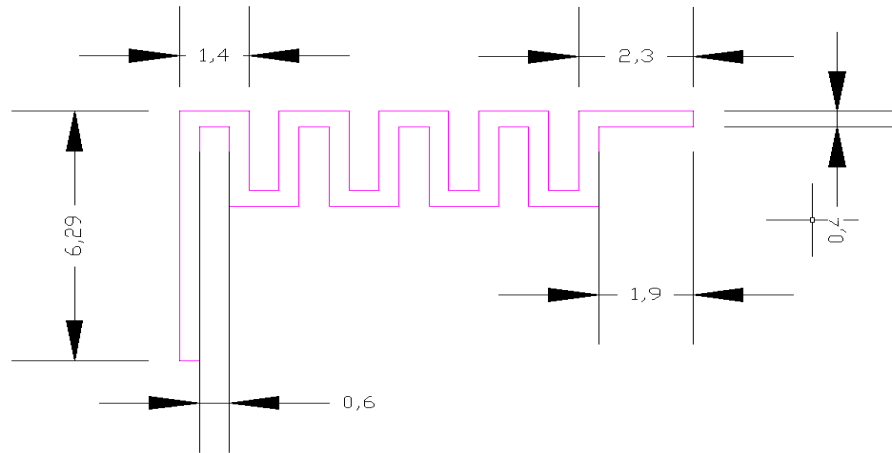


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PCB Antenna for BLE Chips of WCH

1、 Dimension of Antenna



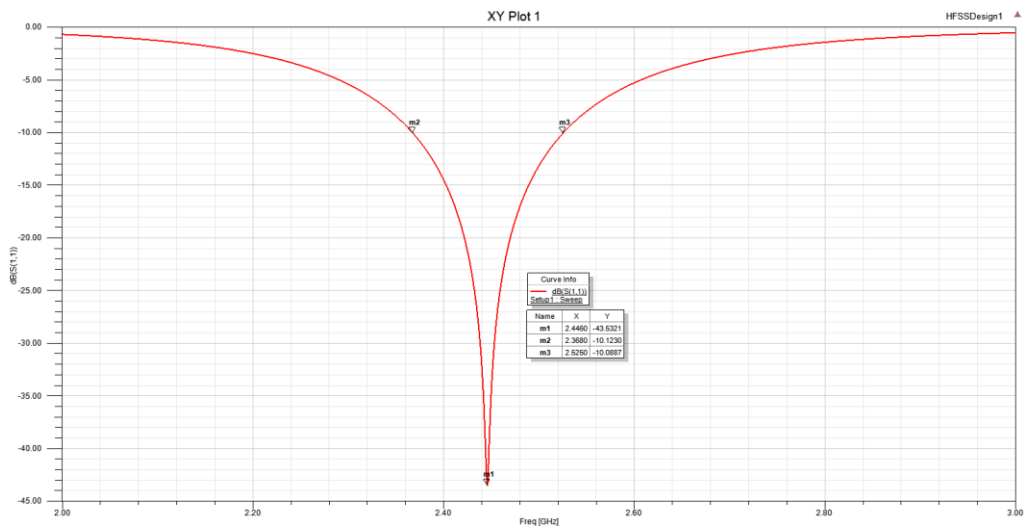
2、 Features

- Dimension: 6.29 * 10.3mm
- Terminal impedance: 50 ohm
- Max Gain: 2.1dBi
- RF Frequency: 2.4GHz

3、 S parameter

Working bandwidth: 157MHz

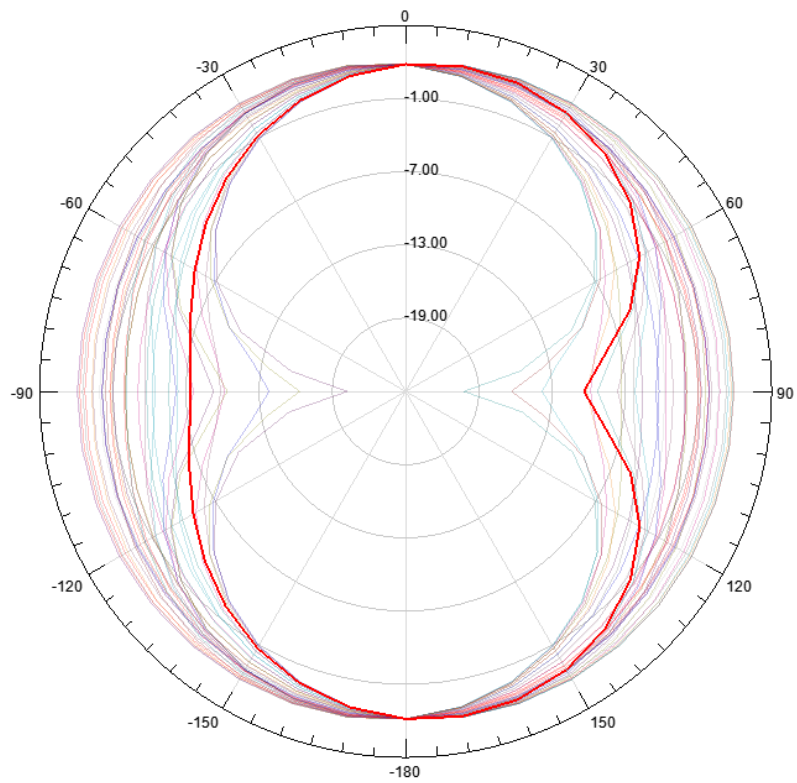
S11: -43.5dB@2.44GHz



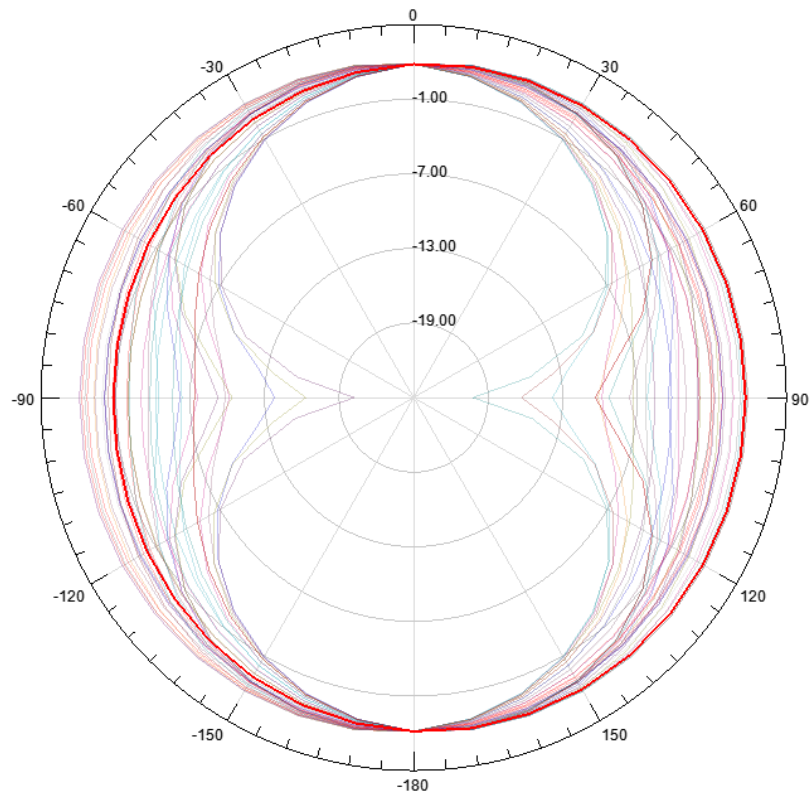
4、 Gain and Radiation pattern

Max gain @2.4GHz: 2.08dBi

E plane:

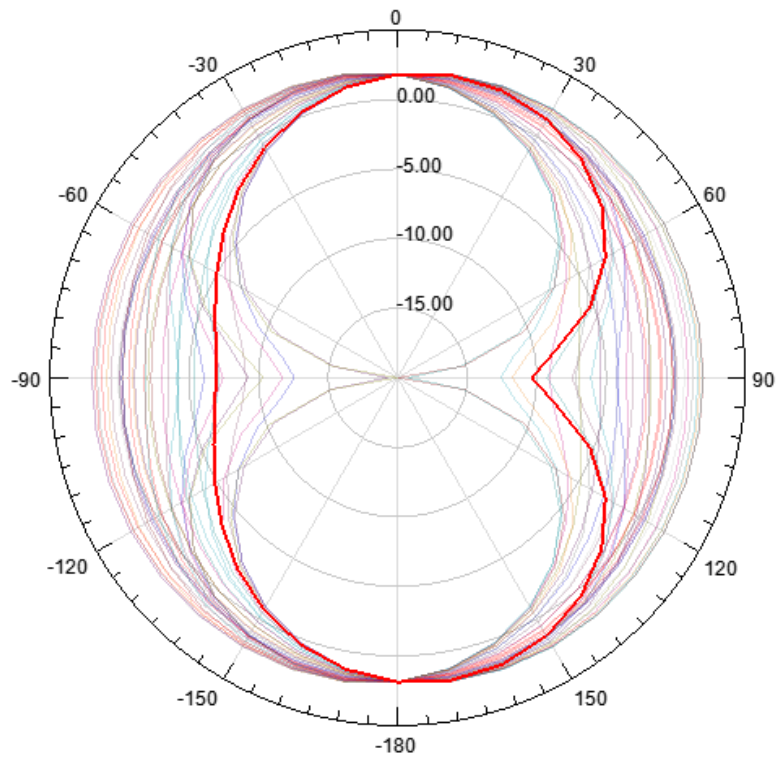


H plane:

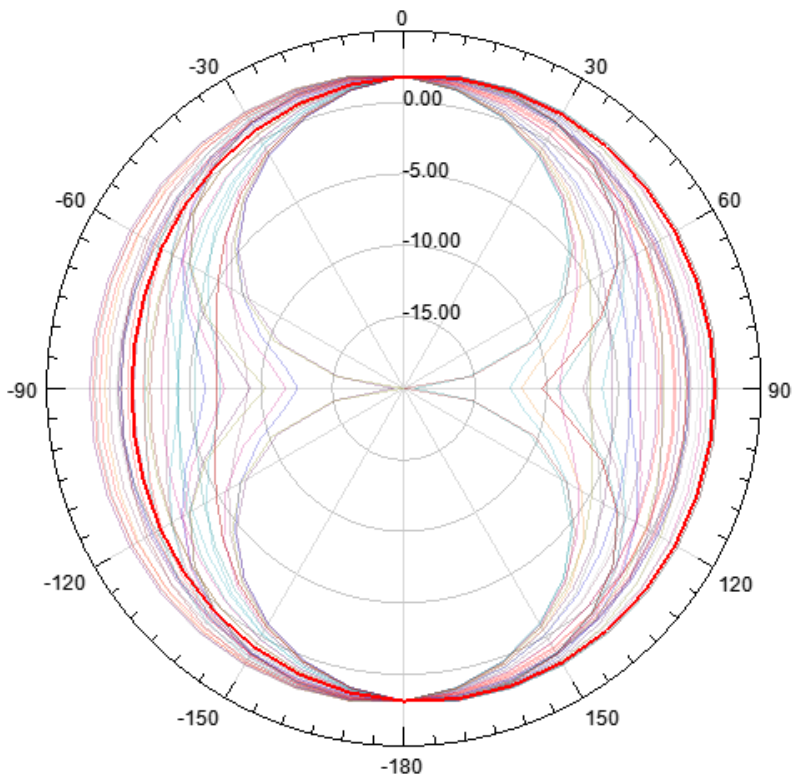


Max Gain @2.44GHz: 2.1dBi

E plane:

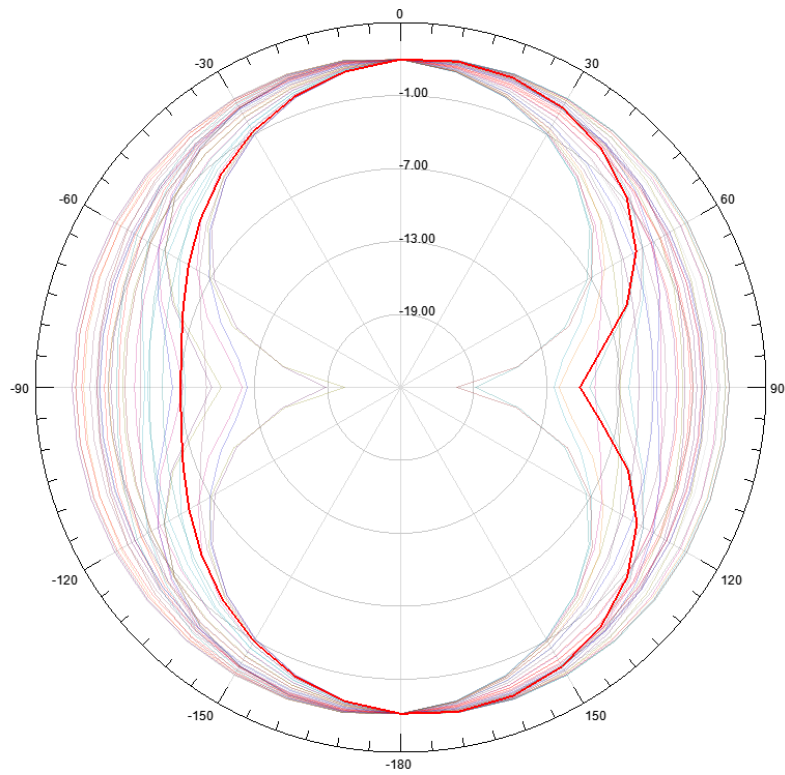


H plane:

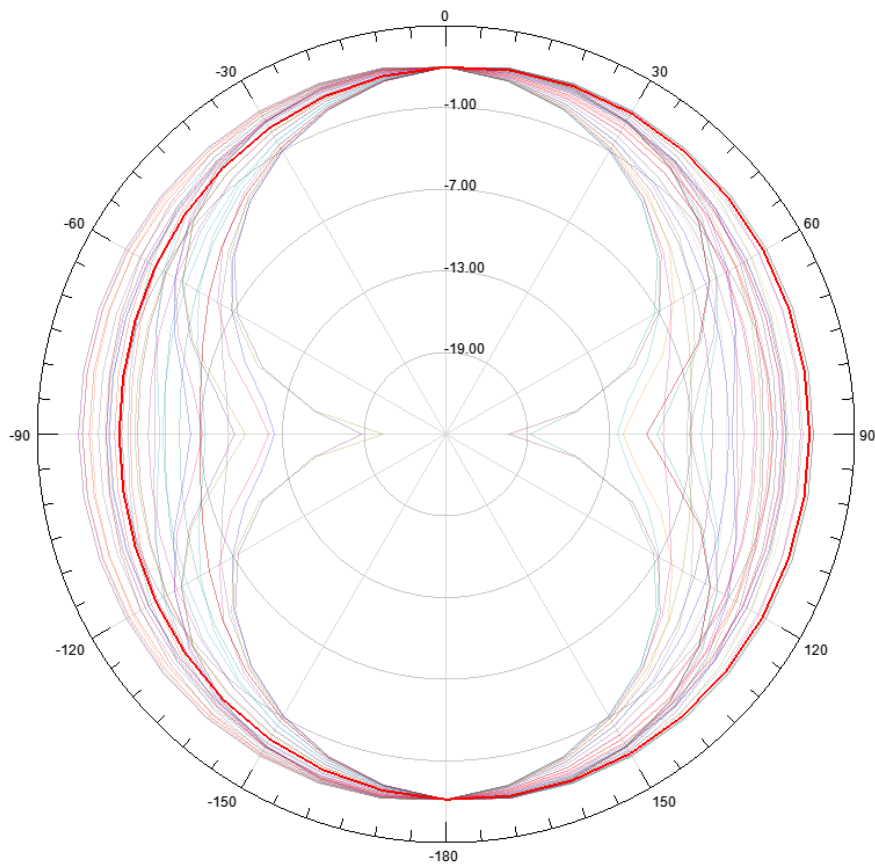


Max Gain @2.48GHz: 2.04dBi

E plane:

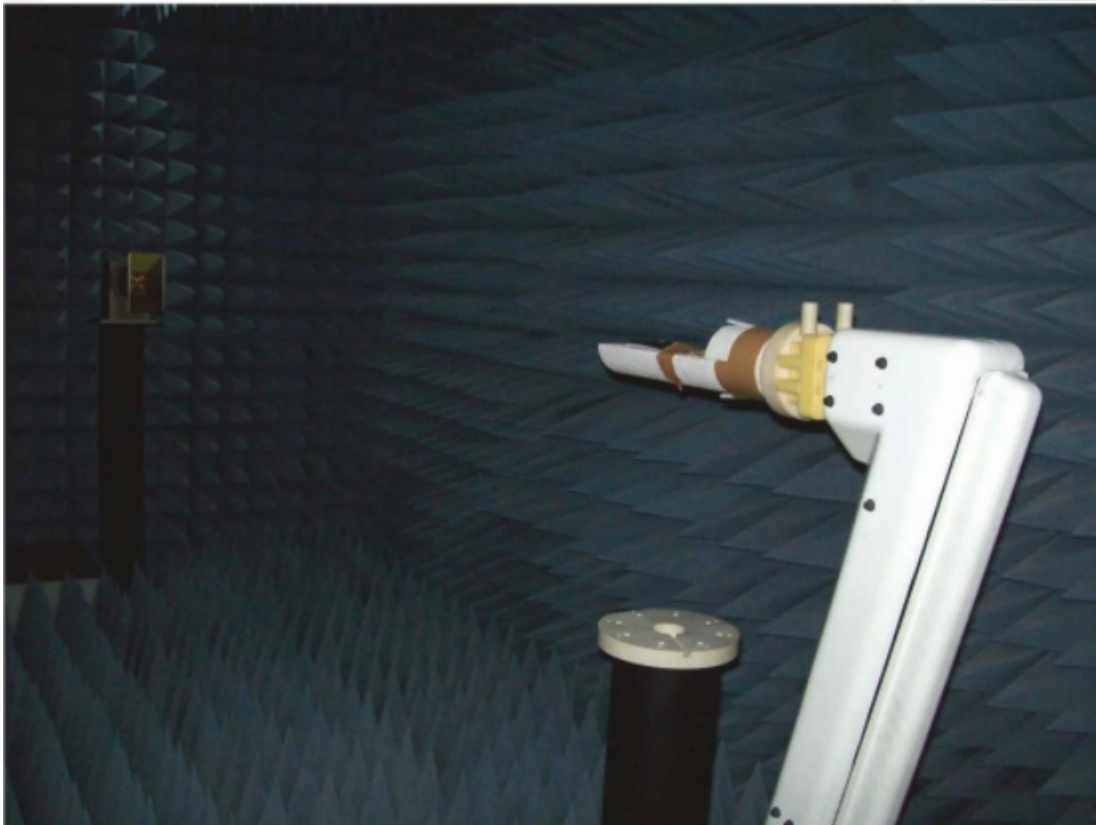
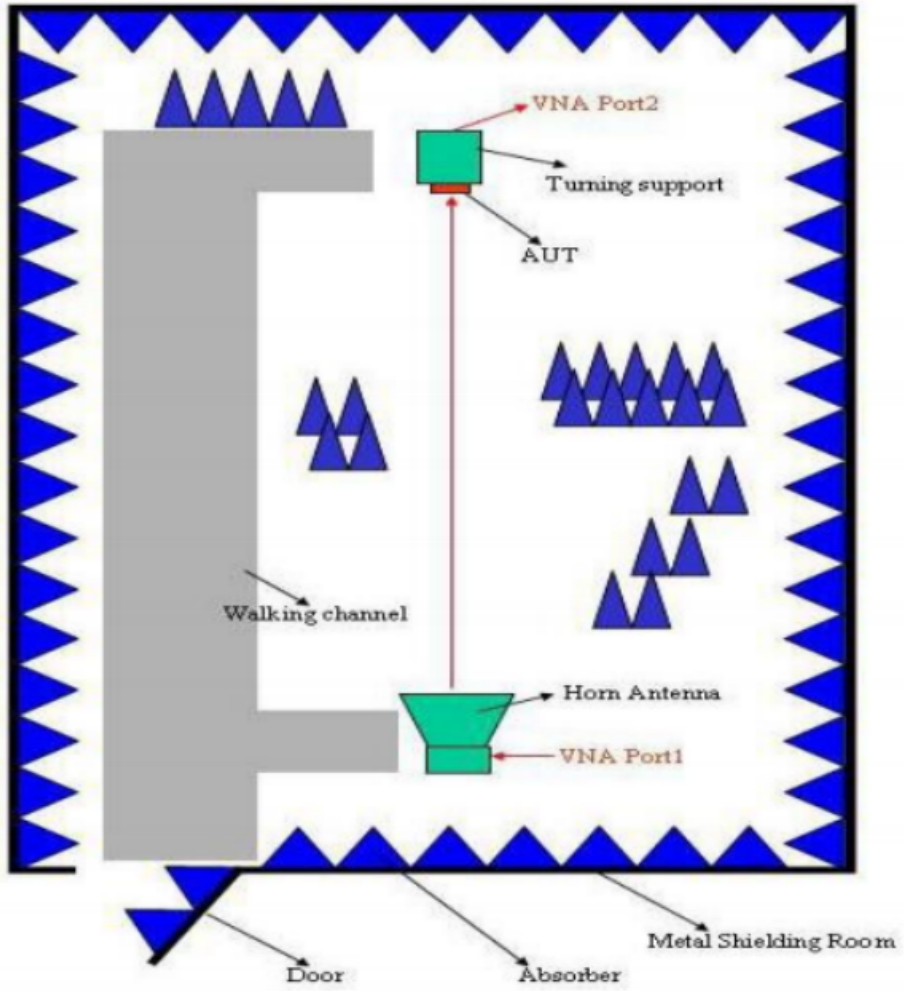


H plane:



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The Environment of Antenna Radiation Pattern



3D radiation pattern diagram

