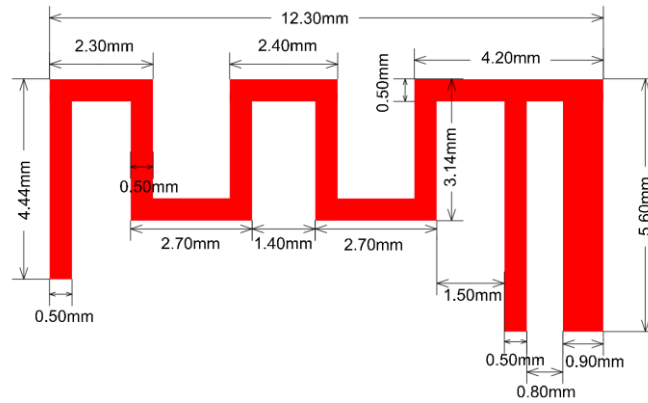


PCB Antenna for BLE Chips of WCH

1、Dimension of Antenna



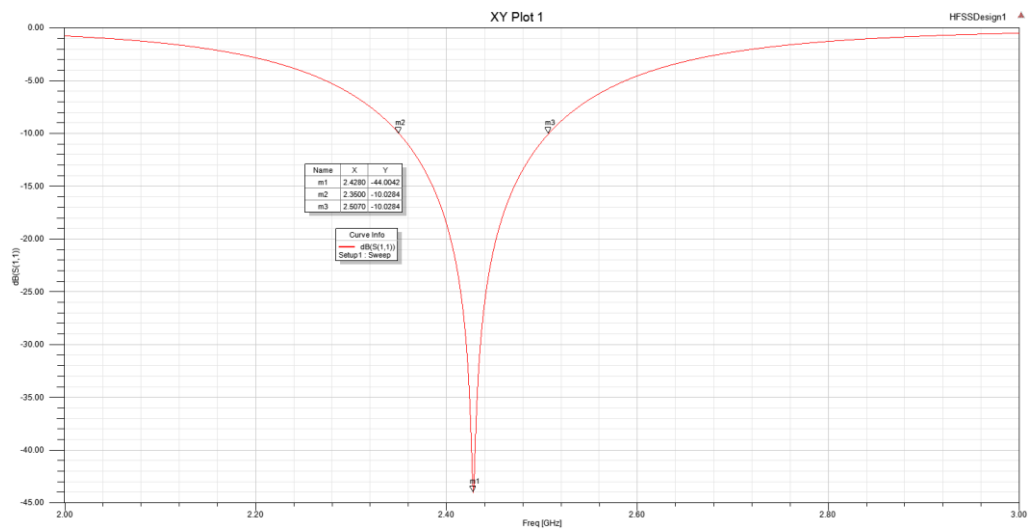
2、Features

- Dimension: 5.6*12.3mm
- Terminal impedance: 50 ohm
- Max Gain: 2.1dBi
- RF Frequency: 2.4GHz

3、S parameter

Working bandwidth: 157MHz

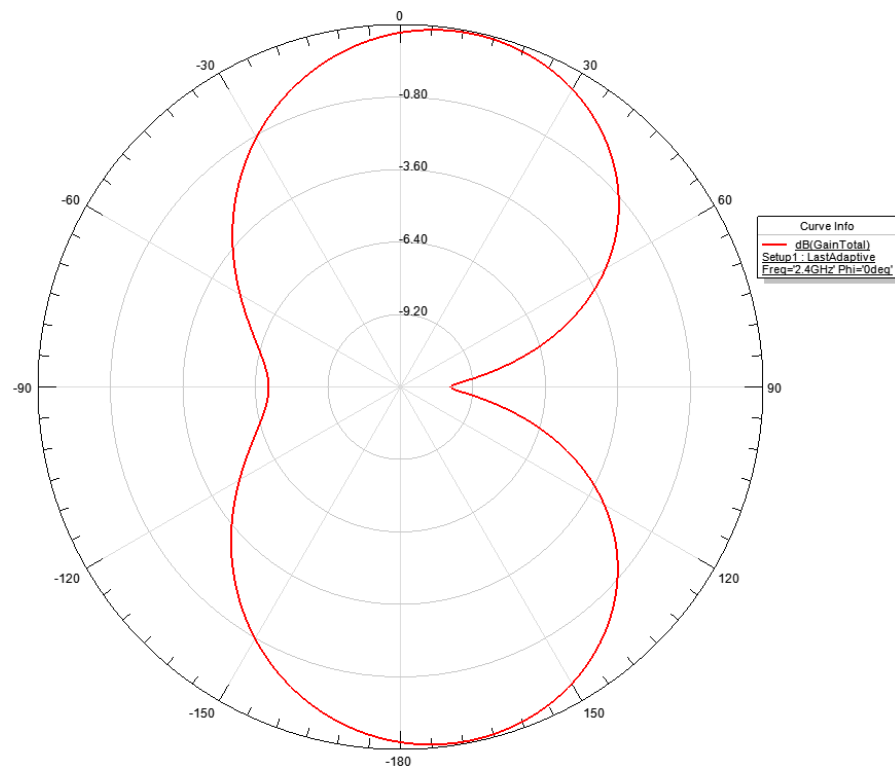
S11: -44dB@2.43GHz



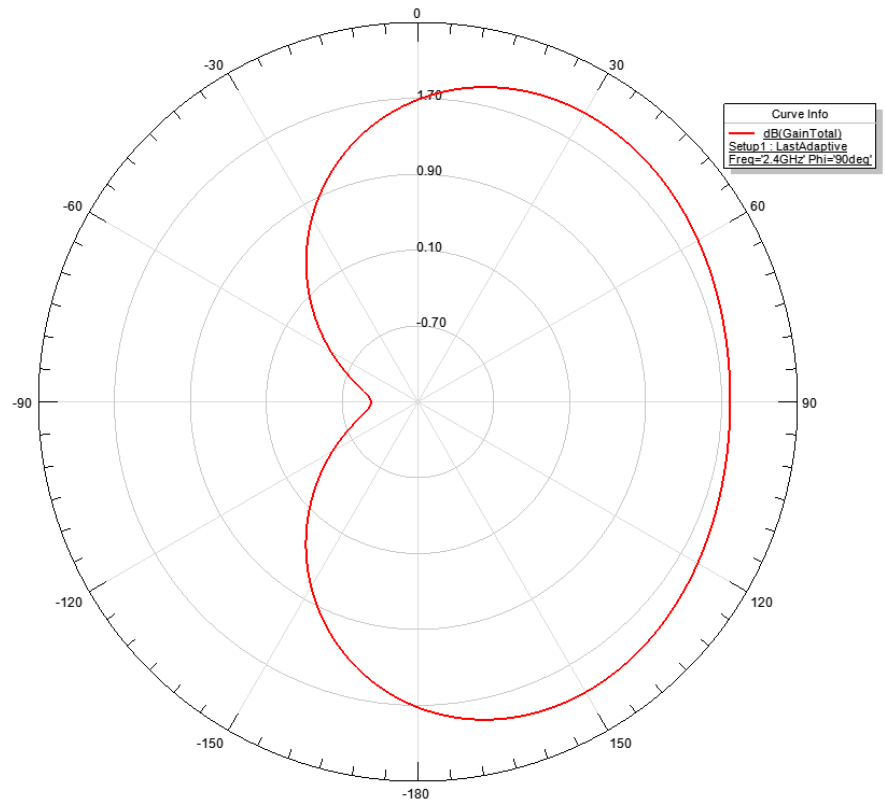
4、 Gain and Radiation pattern

2.4GHz:

E plane:

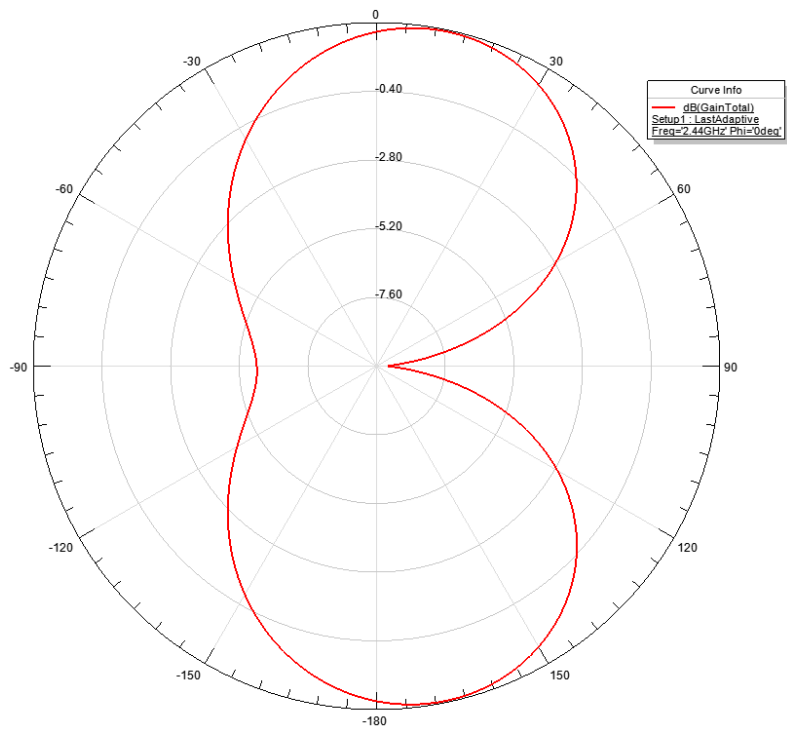


H plane:

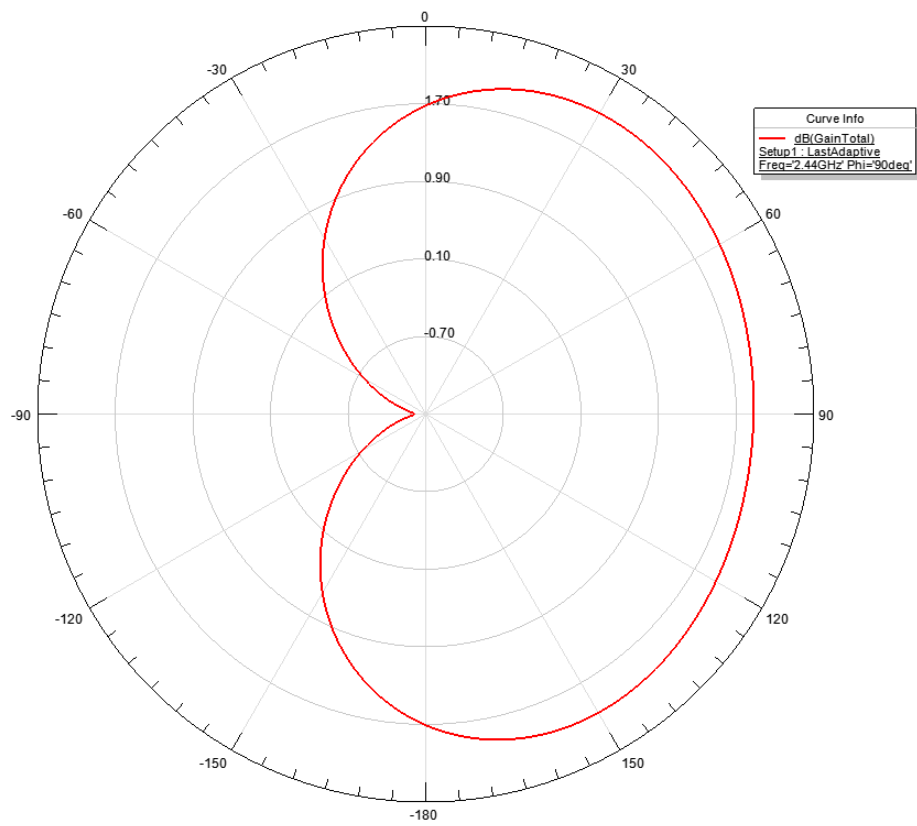


2.44GHz:

E plane:

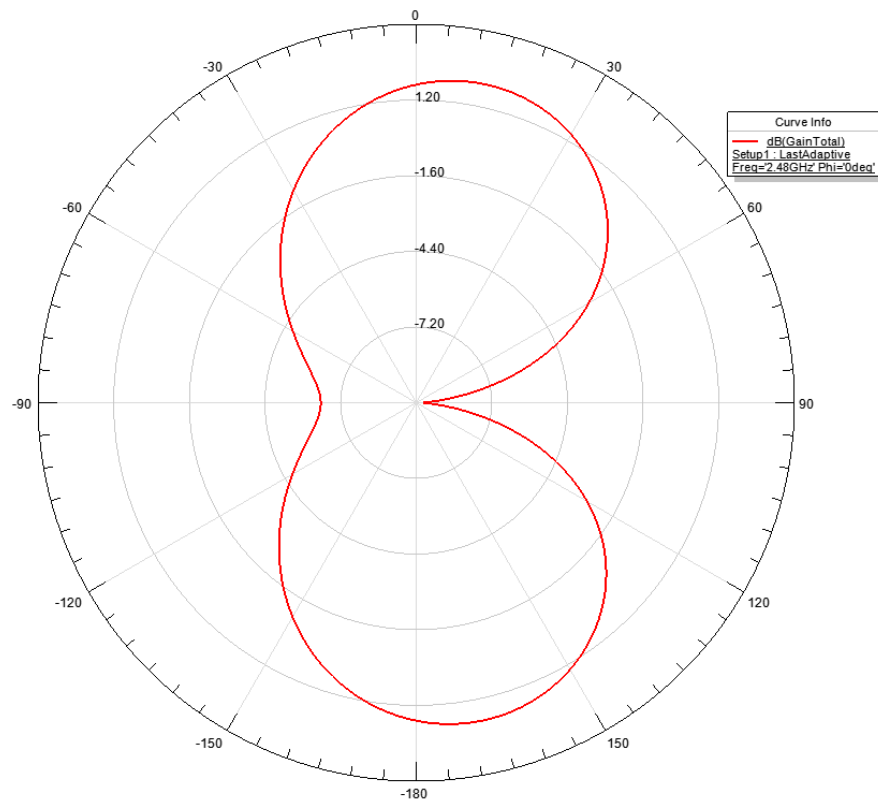


H plane:

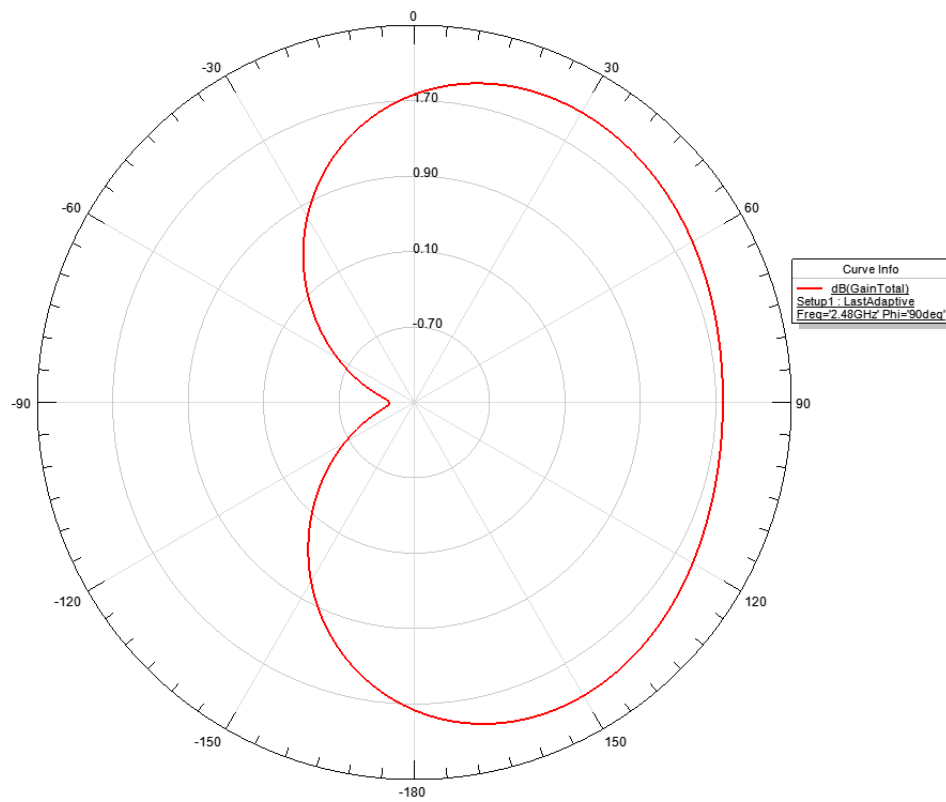


2.48GHz:

E plane:



H plane:



5.Gain table

Frequency (MHz)	Gain(dBi)						Efficiency
	X-Z Plane		Y-Z Plane		X-Y Plane		
	MAX	AVE	MAX	AVE	MAX	AVE	
2400	1.8	-3.2	1.5	-3.6	1.9	-2.1	-2.96
2440	2	-2.8	1.9	-3.1	2	-1.6	-2.59
2480	1.9	-3	1.7	-3.3	2.1	-1.9	-2.85

Manufacturer: Shenzhen Yanwai Technology Co., Ltd.

Address: Room 2907, Tower A, Zhongguan Times Square, No. 4168 Liuxian Avenue,
Nanshan District, Shenzhen

Telephone number: 0755-86706554