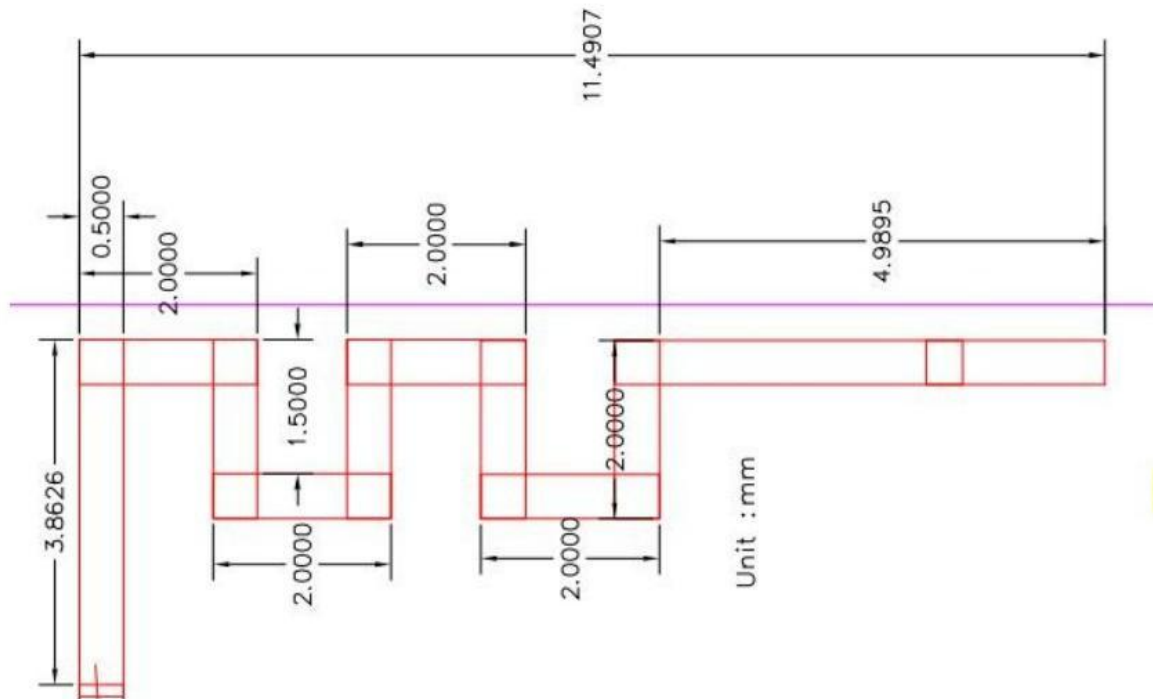


# Product Overview & Dimension

## 1.Lay out and Implementation



### 1.1 Summary

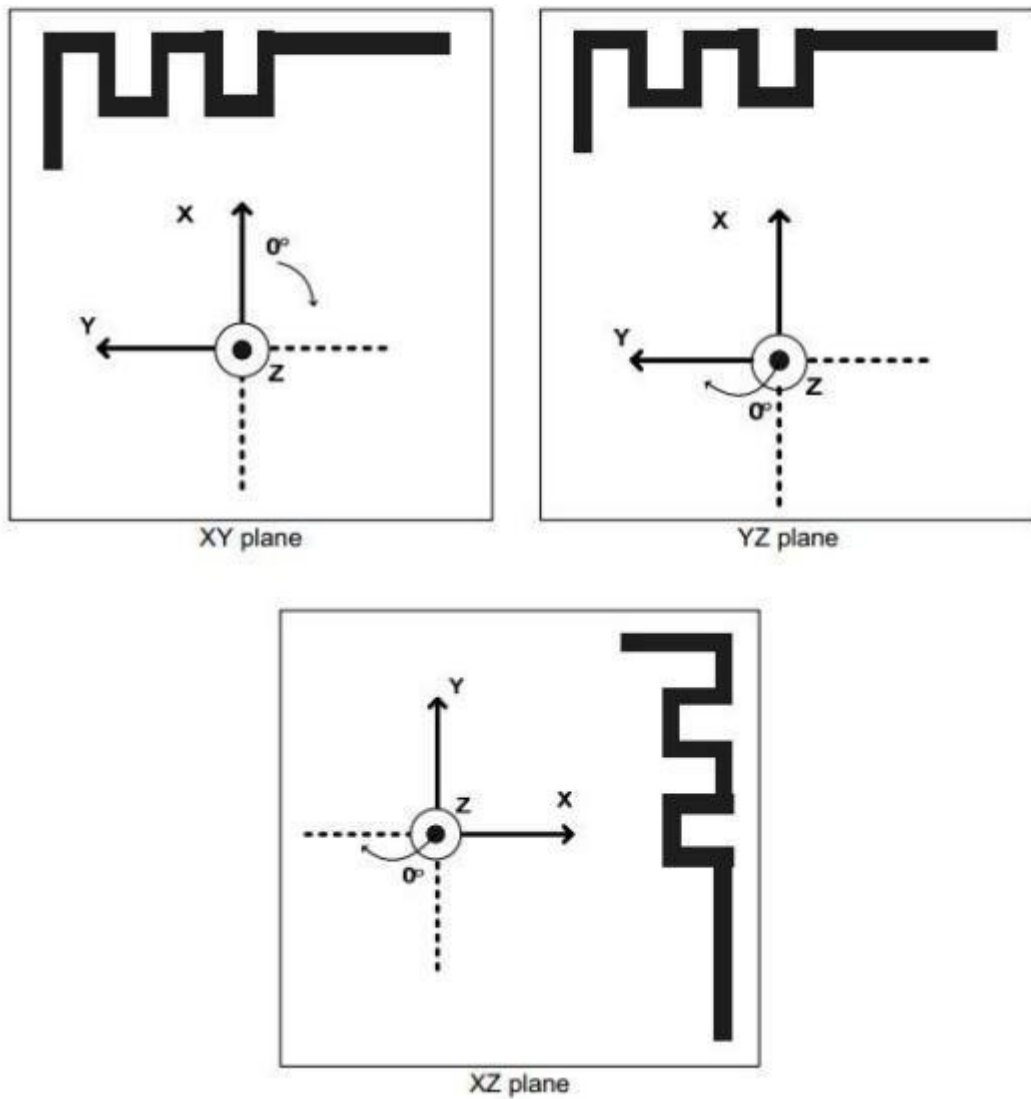
Model Name	2.4G ANT
Manufacture	ZHUHAI JIELI TECHNOLOGY CO.,LTD
Address	No. 333 Kexing Road, Xiangzhou District, Zhuhai, China

## 2. Radiation Pattern

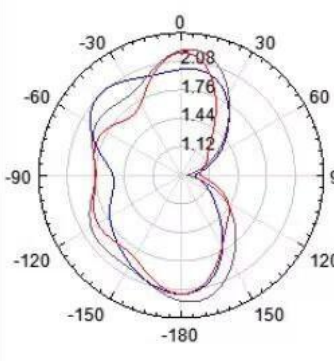
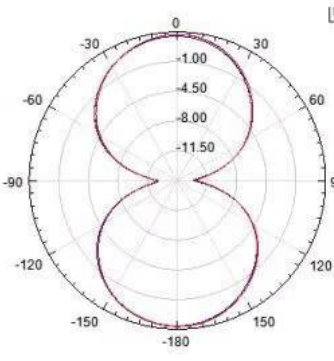
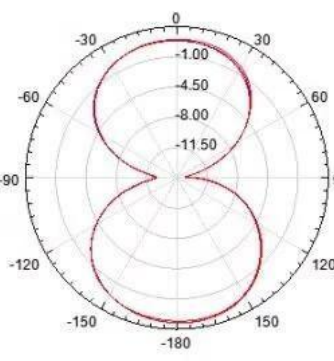
The radiation pattern for the antenna implemented on the pcb board reference design has been measured in an anechoic chamber.

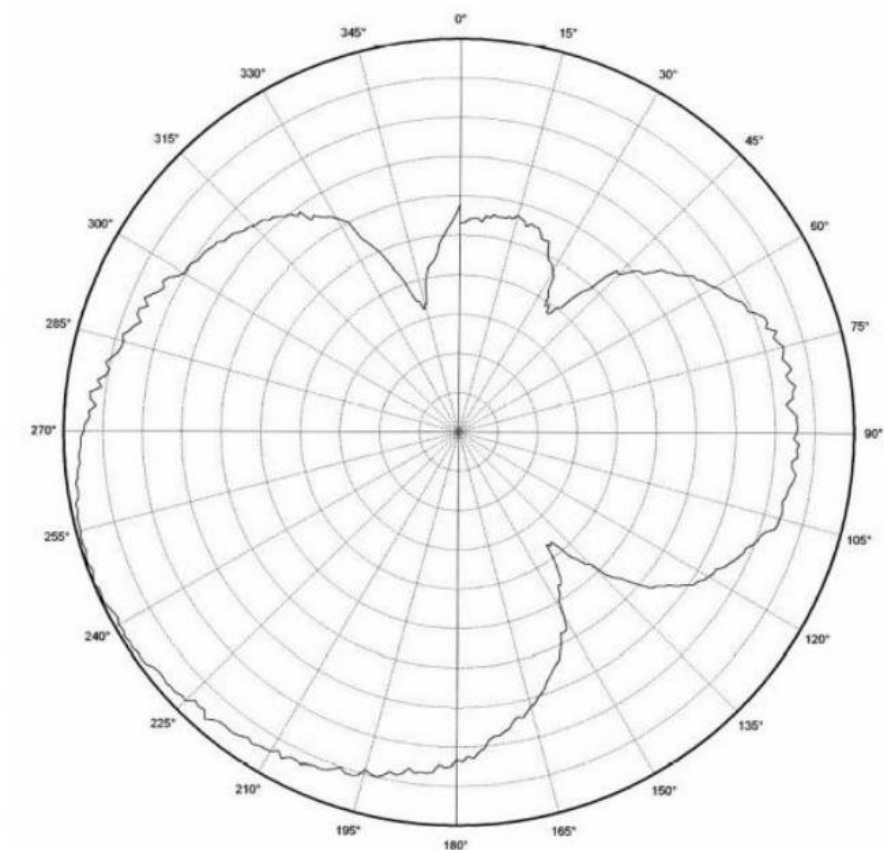
Figure shows radiation patterns for three planes, XY, XZ and YZ, measured with vertical and horizontal polarization.

All measurements were performed with 0 dBm output power.



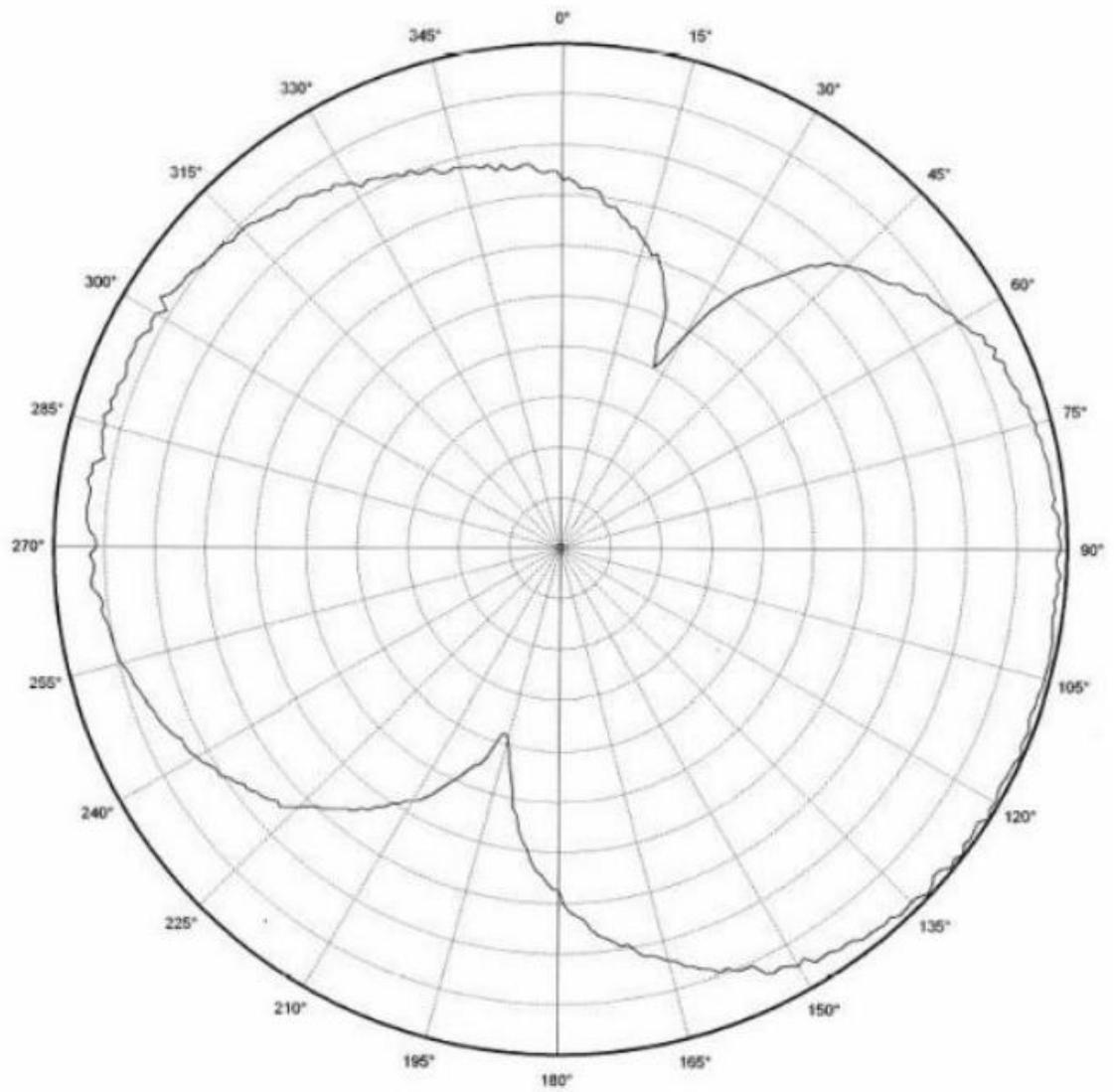
### 3. Antenna Radiation Pattern

	ZX plane		ZY plane		XY plane	
Frequency	Max Value	Average	Max Value	Average	Max Value	Average
[MHz]	[dBi]	[dBi]	[dBi]	[dBi]	[dBi]	[dBi]
2400	2.18	1.68	2.18	-3.17	1.78	-3.43
2450	2.23	1.77	2.21	-3.18	1.78	-3.46
2500	2.13	1.70	2.13	-3.27	1.58	-3.52
Radiation Pattern XOZ		Radiation Pattern YOZ		Radiation Pattern XOY		
						



Vertical Polarization  
usb XY

CF 2450.000 MHz  
4 dB/ div  
Ref Lev: *-2.5* dBm



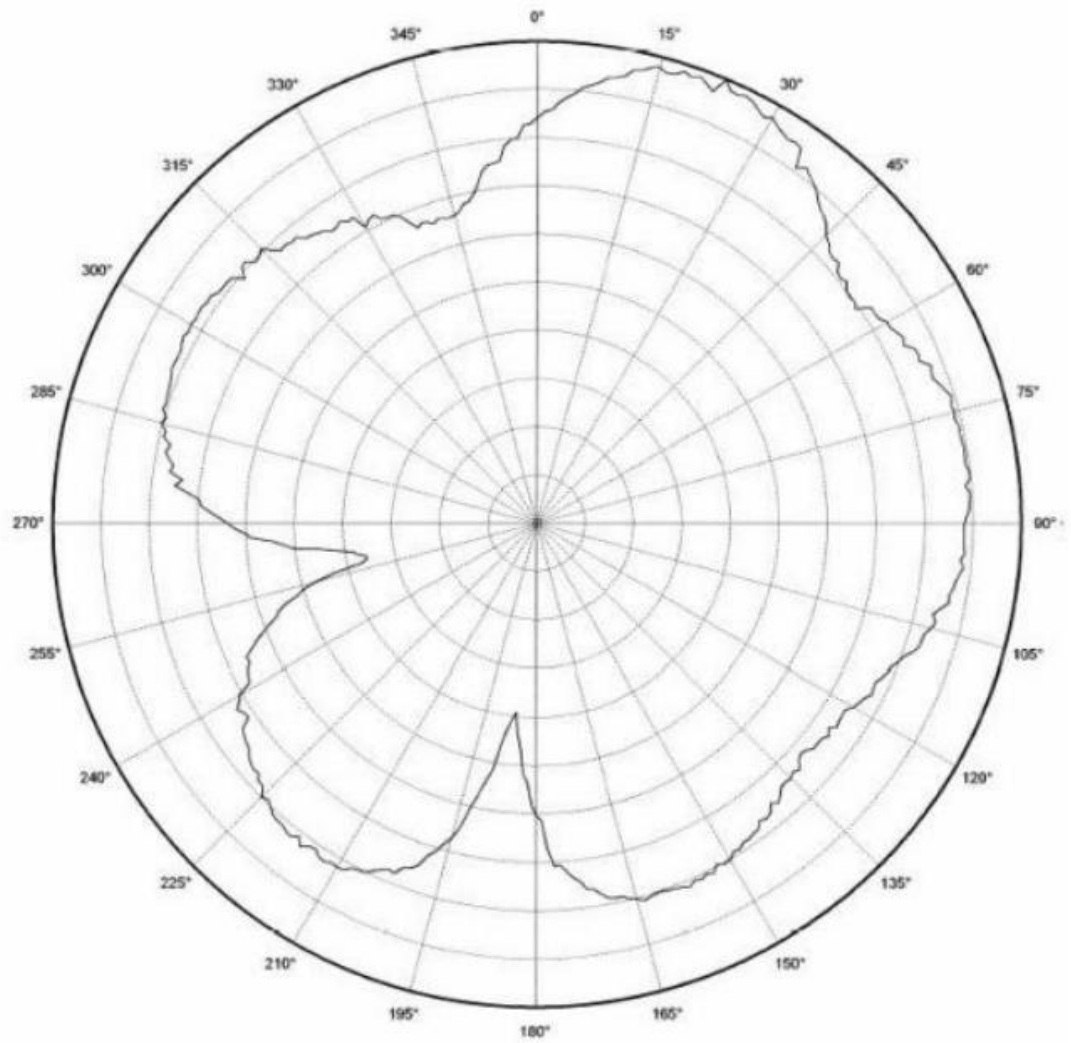
Horizontal Polarization

usb XY

CF 2450.000 MHz

5 dB/ div

Ref Lev: 4.5 dBm



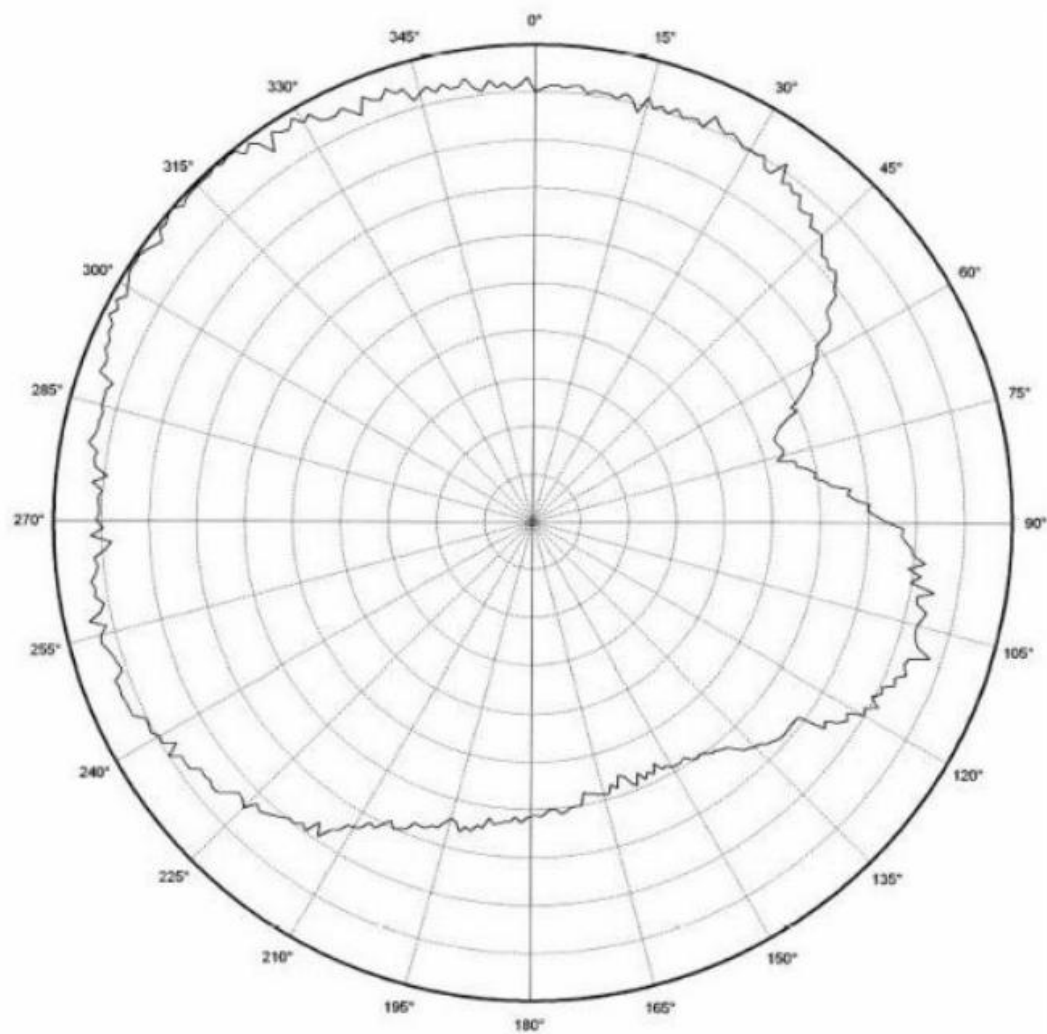
Vertical Polarization

usb XZ

CF 2450.000 MHz

4 dB/ div

Ref Lev: 2.2 dBm



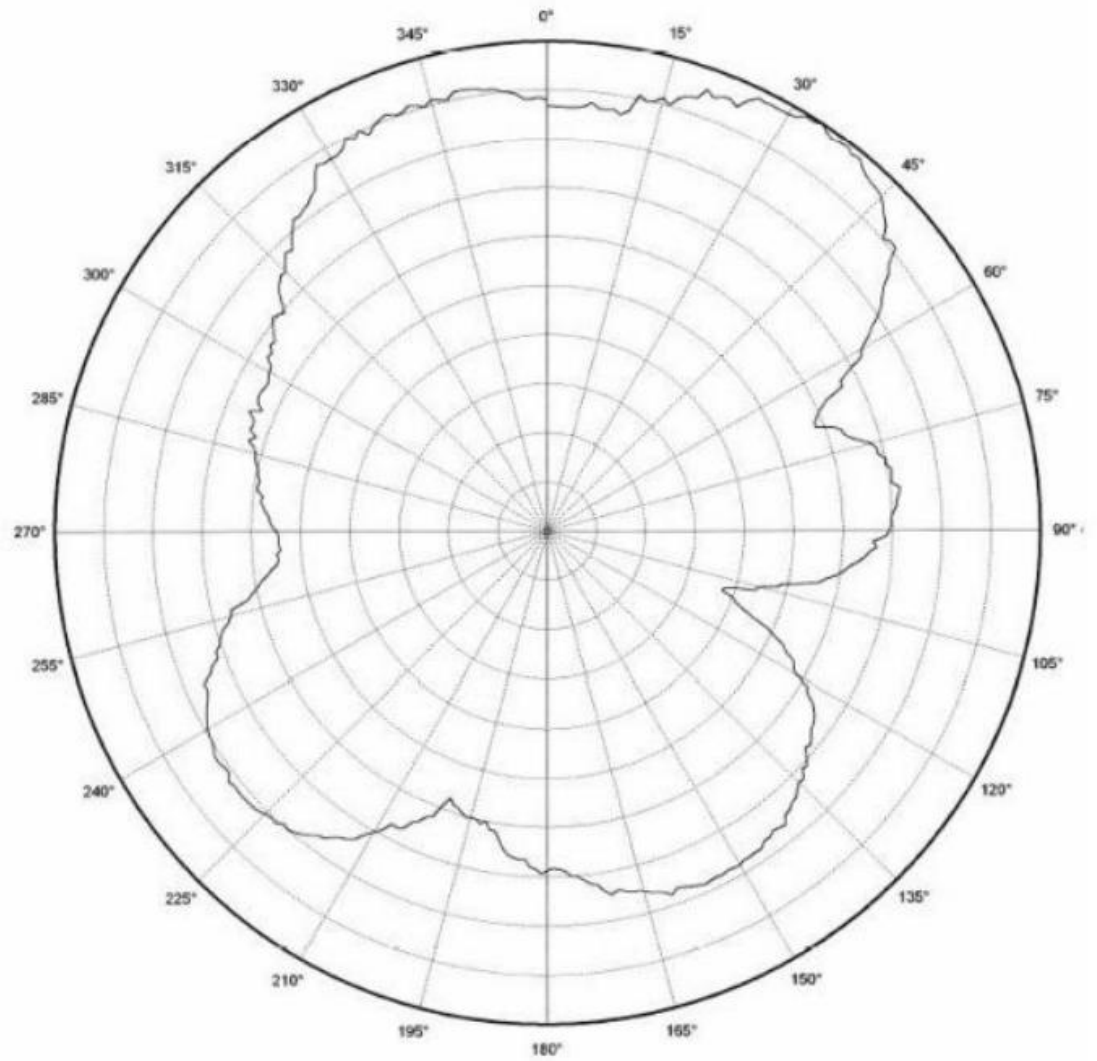
Vertical Polarization

usb YZ

CF 2450.000 MHz

2 dB/ div

Ref Lev: +5.3 dBm



Horizontal Polarization

usb XZ

CF 2450.000 MHz

4 dB/ div

Ref Lev: 5.3 dBm