

## 2.4 GHz PCB antenna Specification

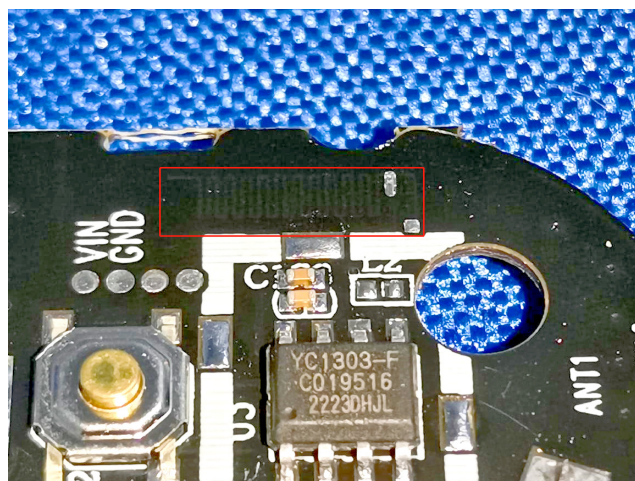
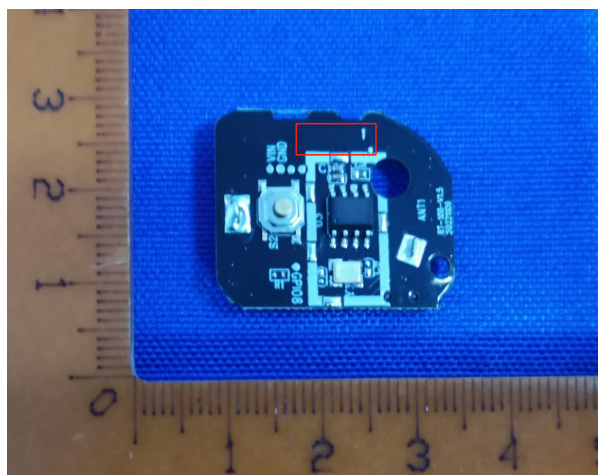
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### 1 KEYWORDS

- RT116-ANT1
- 2.4 GHz
- PCB Antenna

### 2 Size



### 3 Testing Conditions

#### Antenna Electrical Characteristics

Parameters	Value
Frequency Range	2400~2480MHz
Band Width	120MHz
VSWR	<2.0
Impedence	50 ohm
Max Gain	0dBi
Polarization	Single
Azimuth	Omni-directional

#### Product Testing Conditions

Parameters	Value
Working Temp	-30°C ~ +60°C

#### Antenna 2D patterns

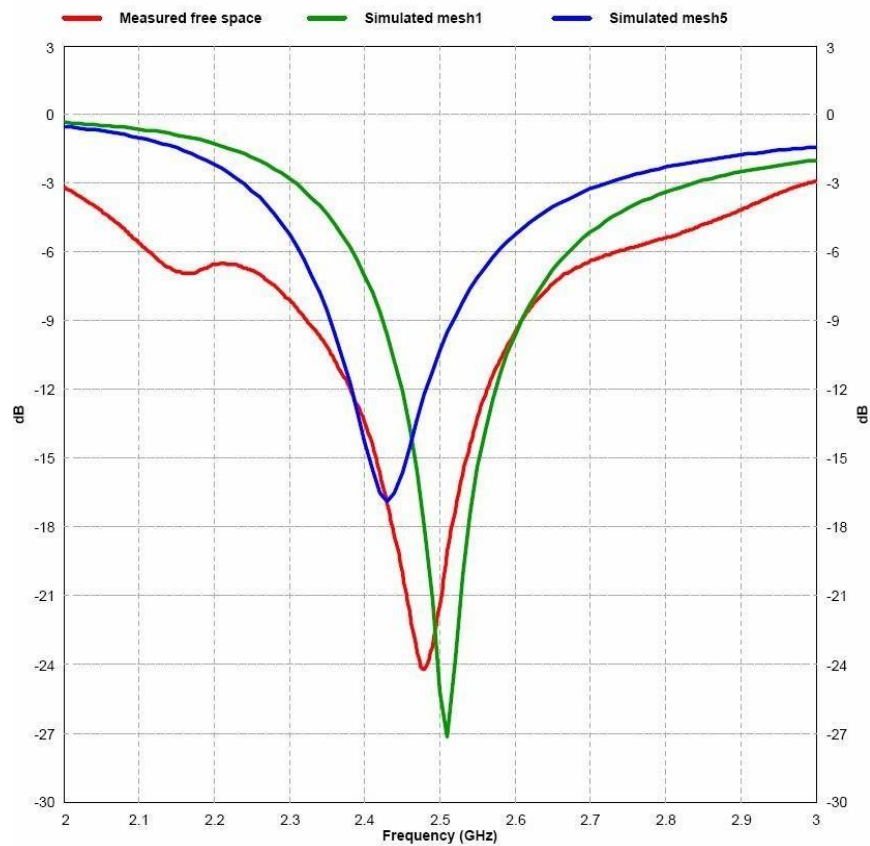


Figure : Comparison of Simulation and Measurements Results

## Antenna 3D patterns

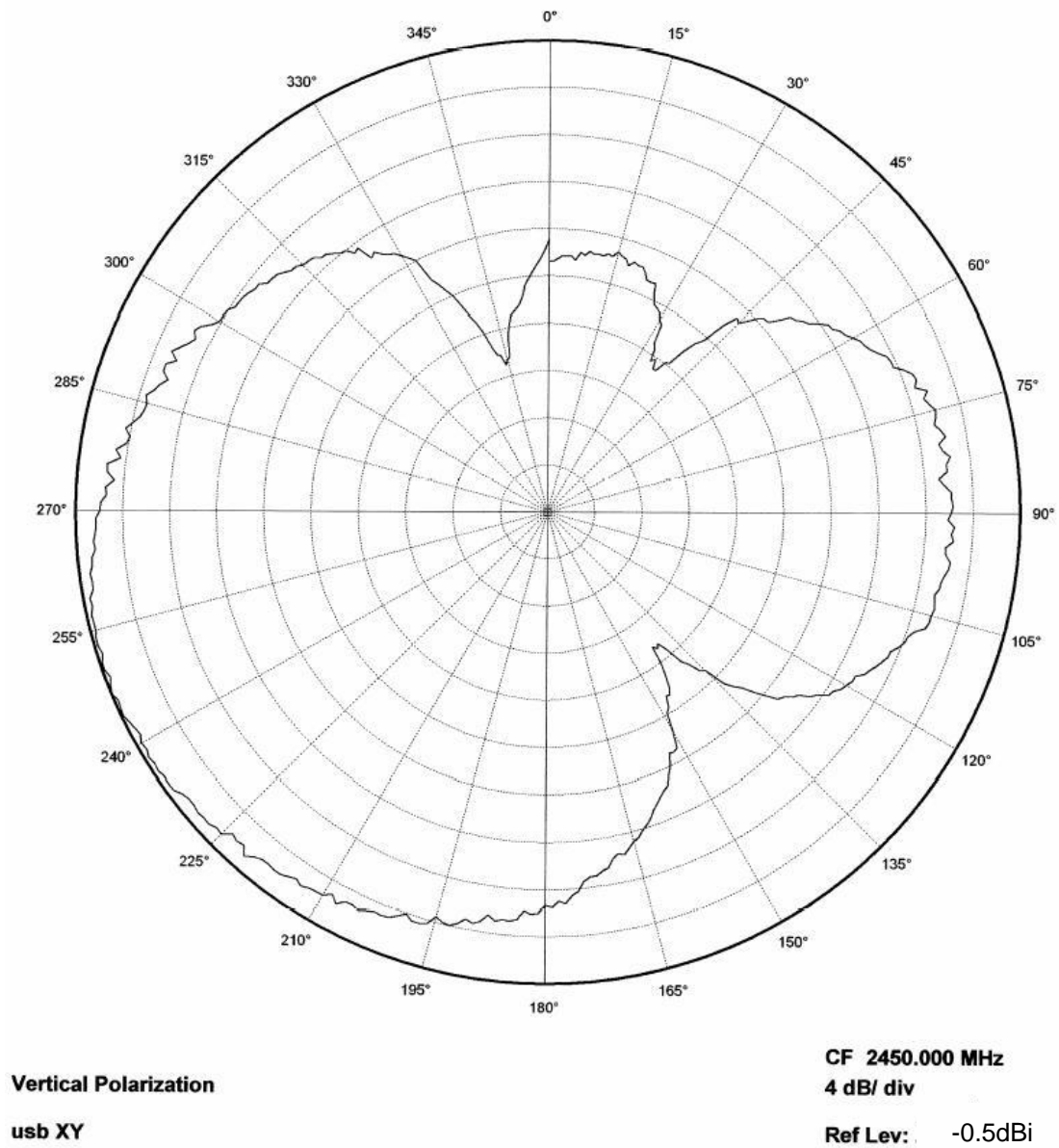


Figure : XY Plane

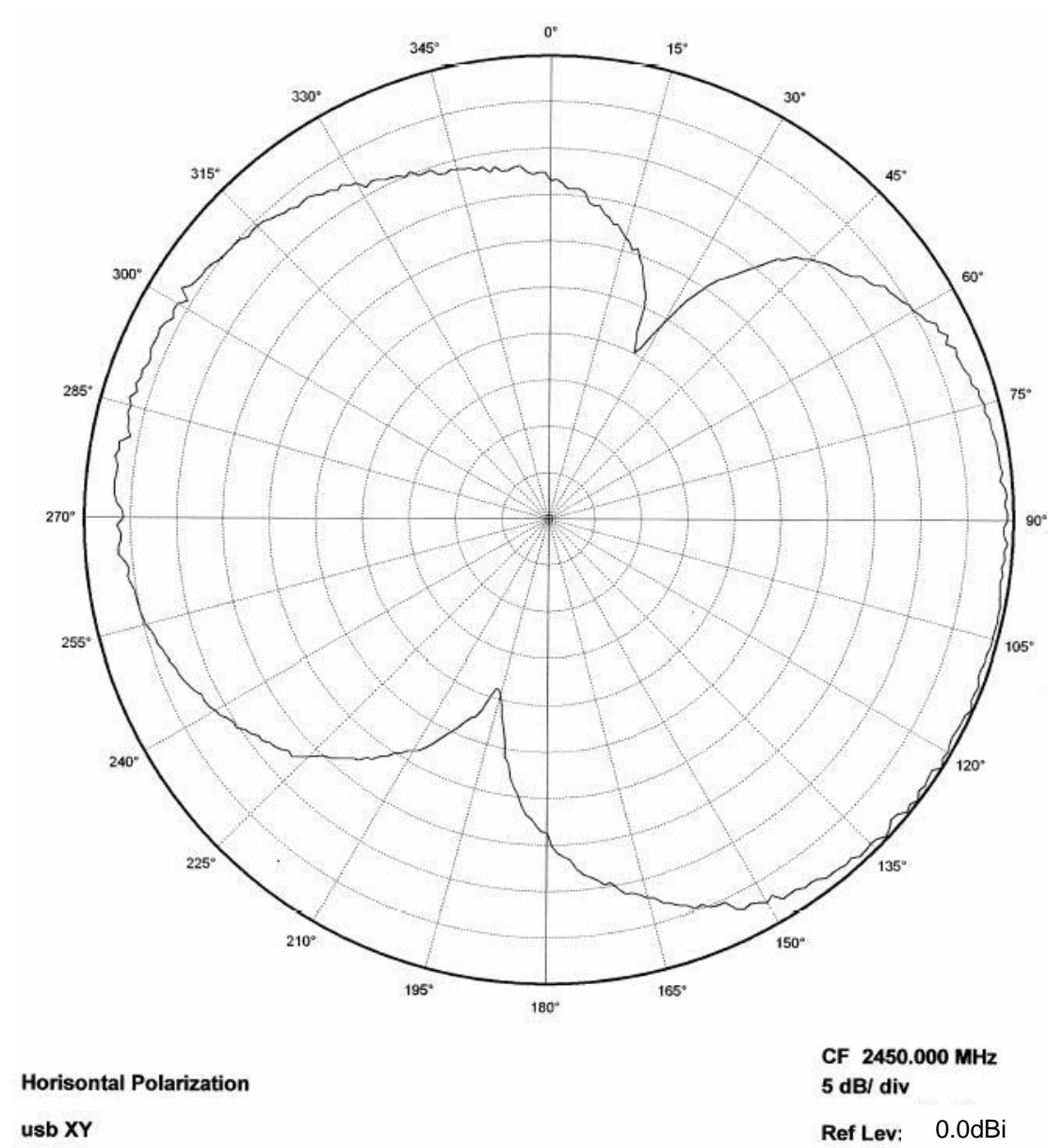


Figure :XY Plane

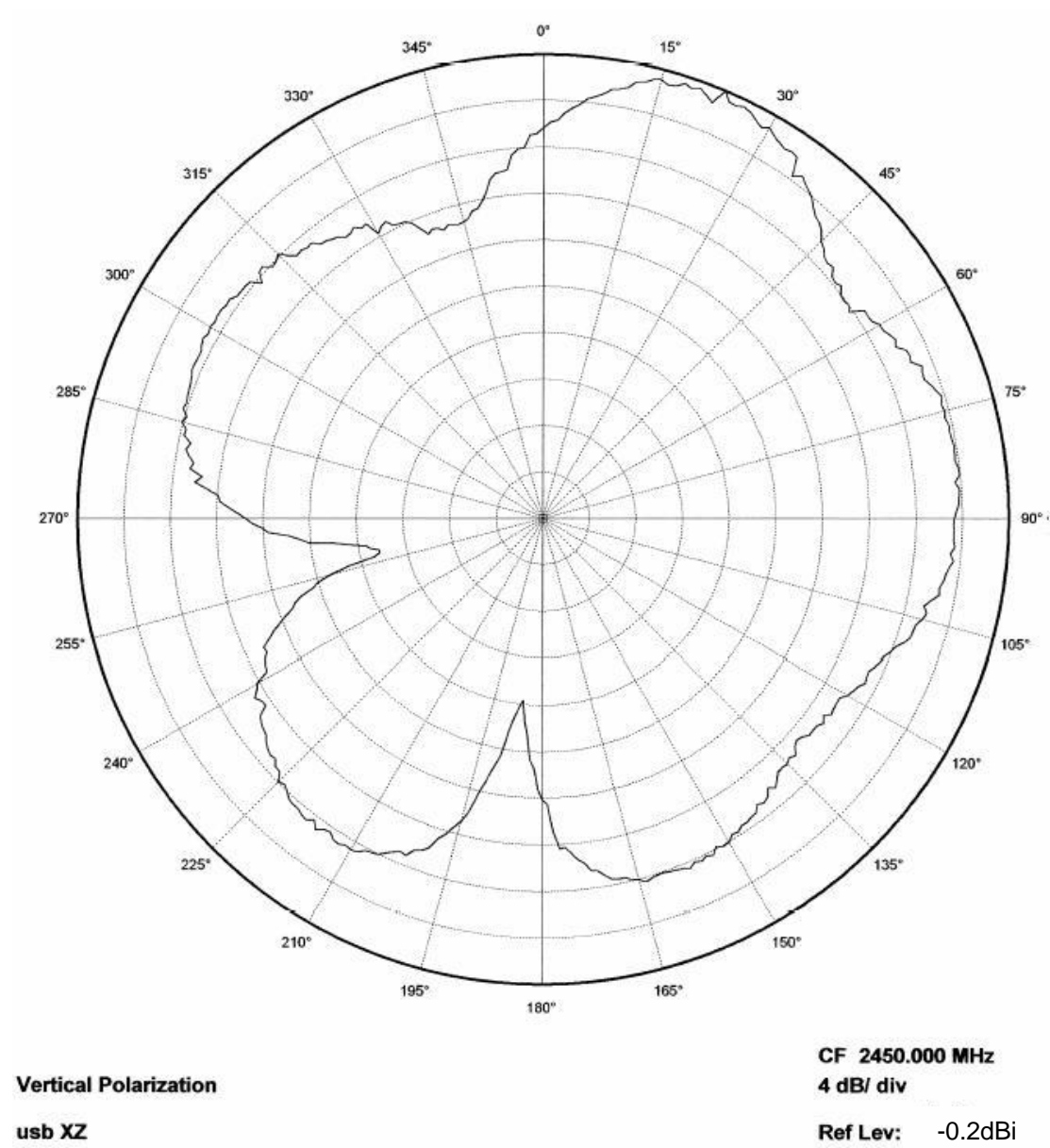


Figure : XZ Plane

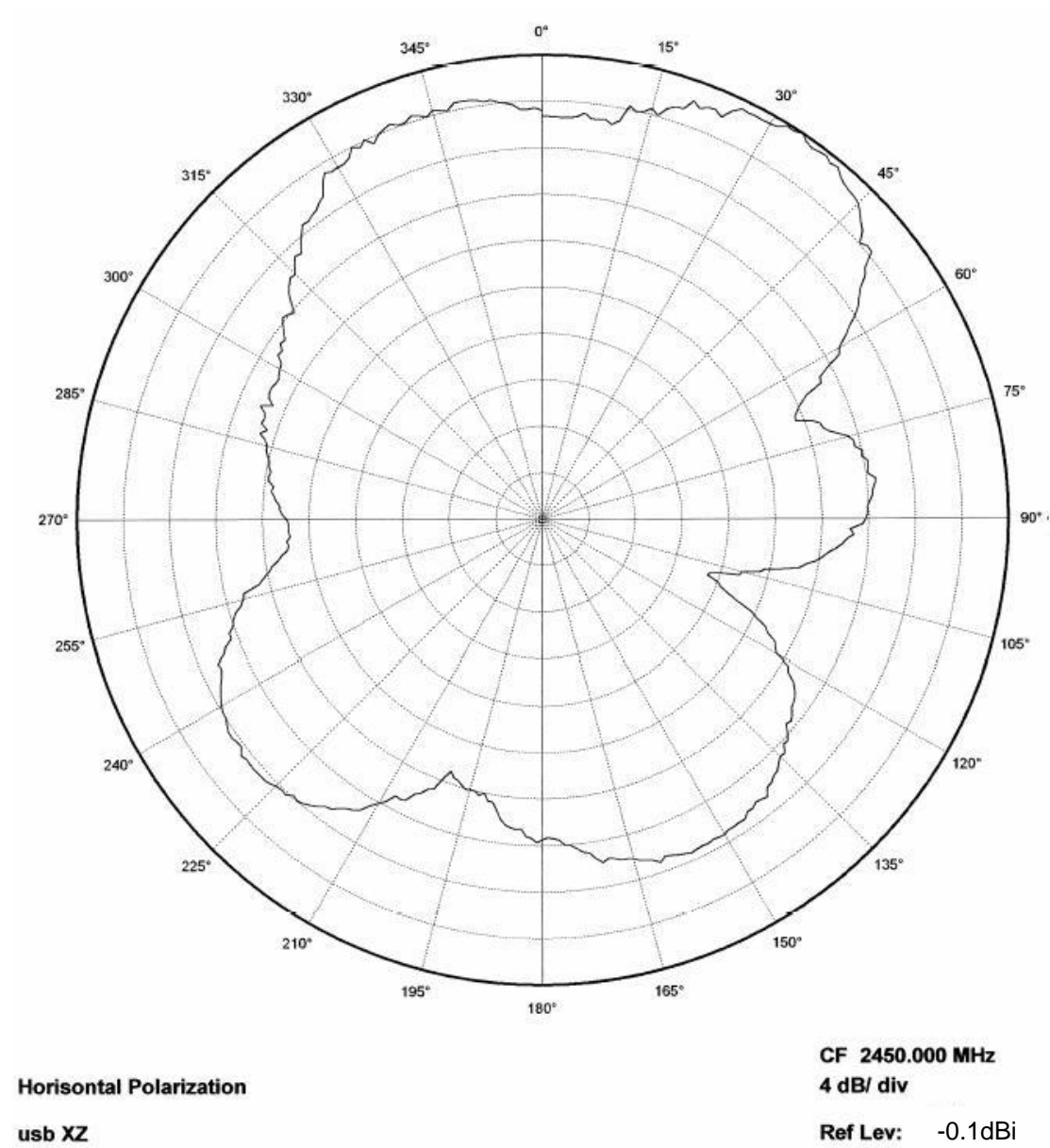
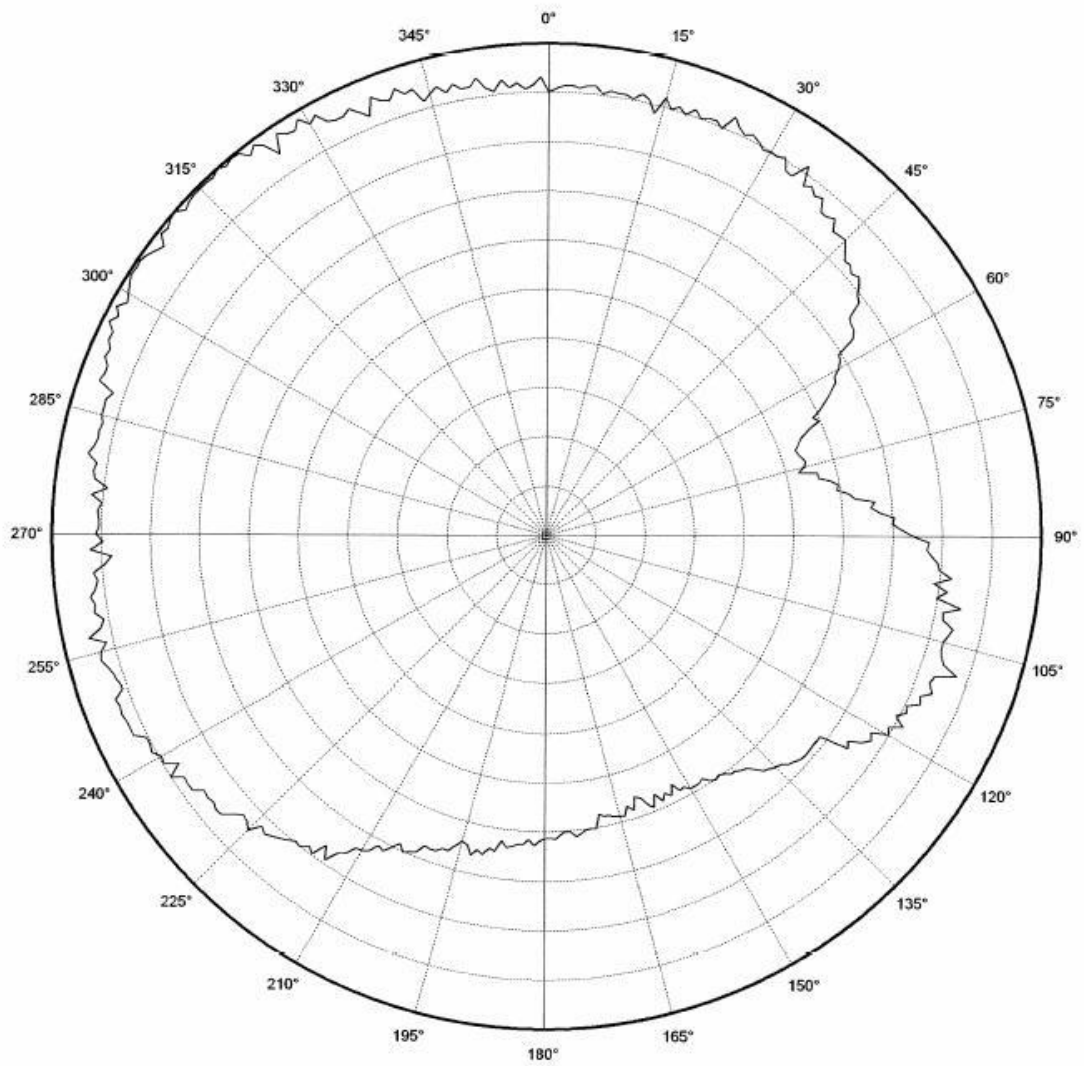


Figure : XZ Plane



**Vertical Polarization**

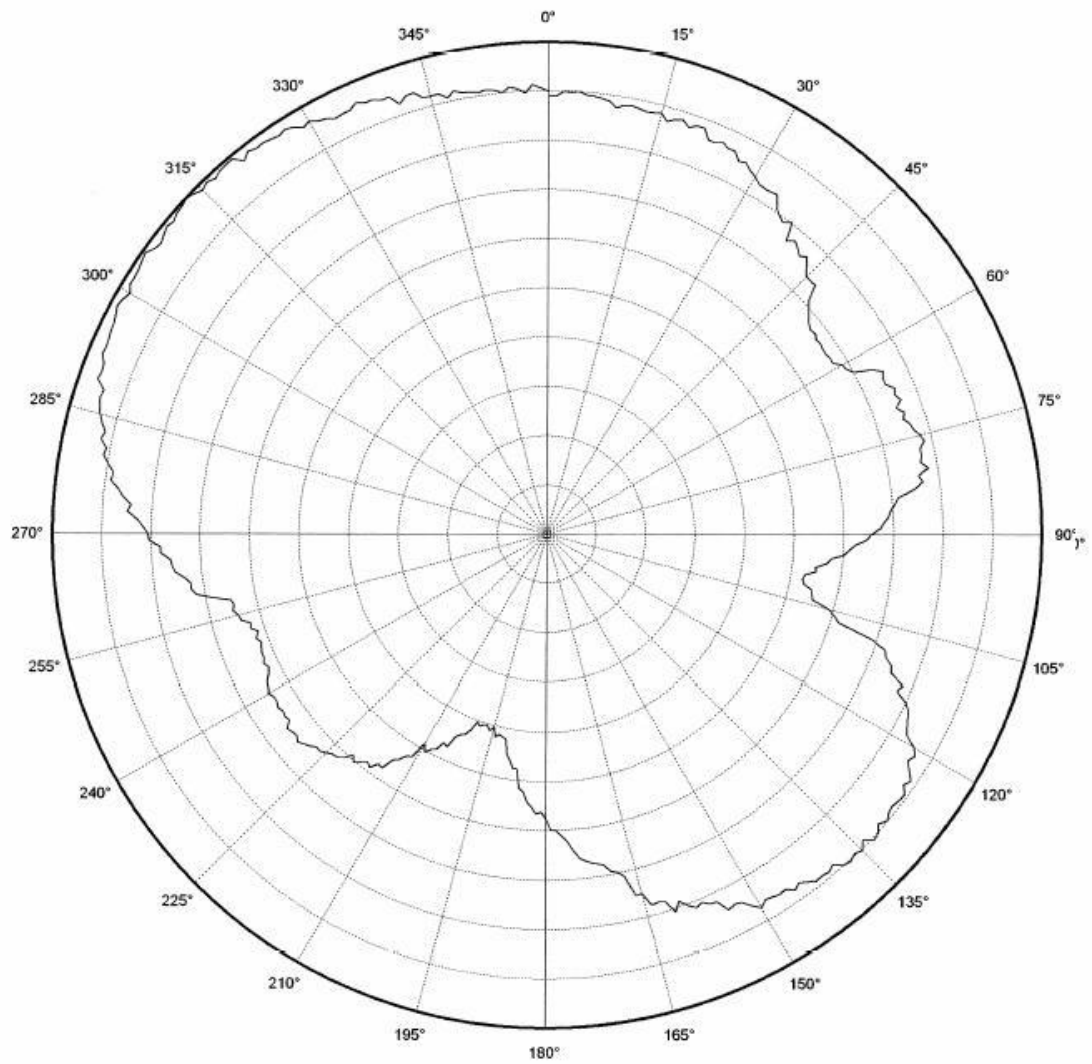
**usb YZ**

**CF 2450.000 MHz**

**2 dB/ div**

**Ref Lev: -0.1dBi**

**Figure : YZ Plane**



**Horizontal Polarization**

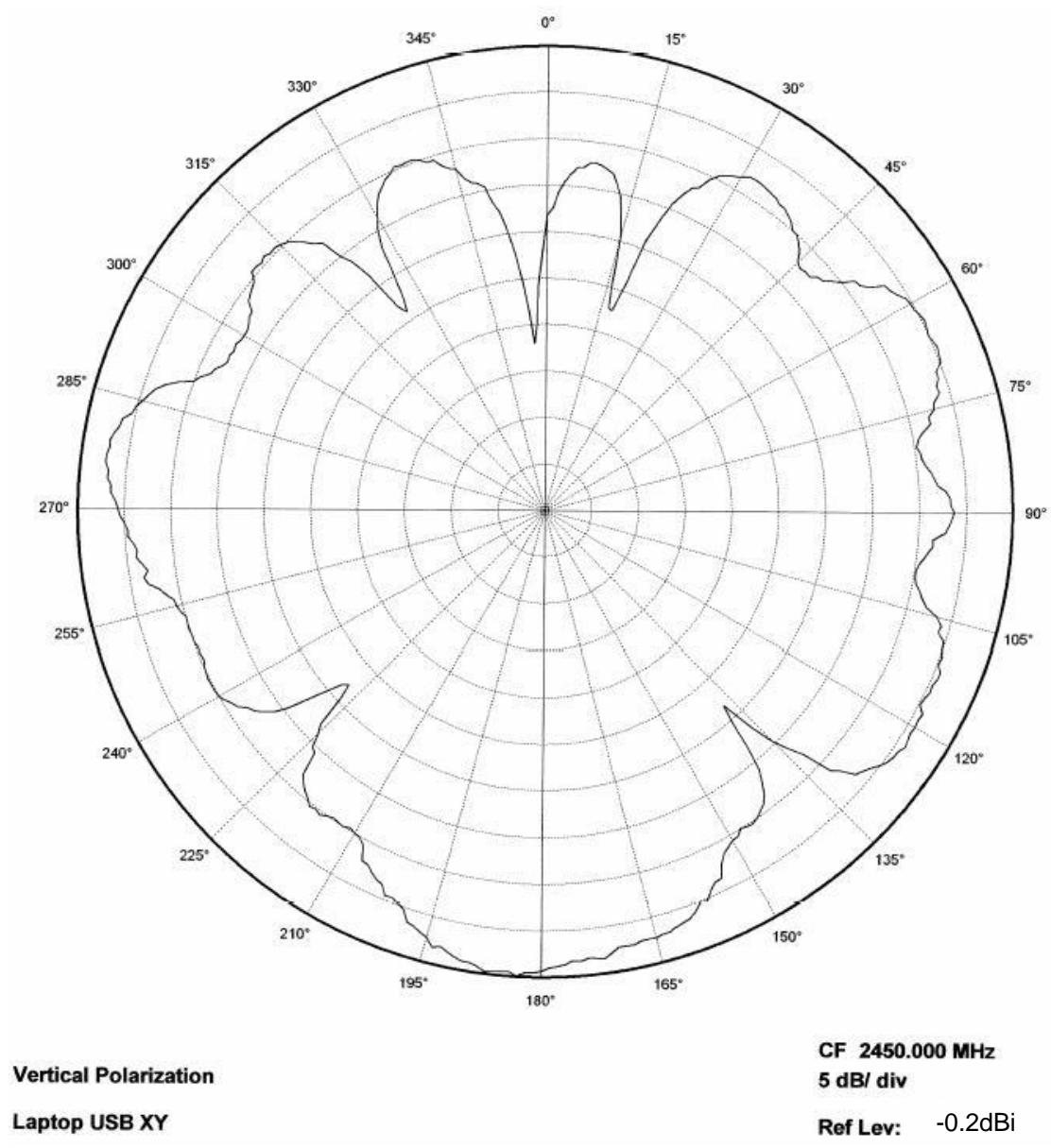
**usb YZ**

**CF 2450.000 MHz**

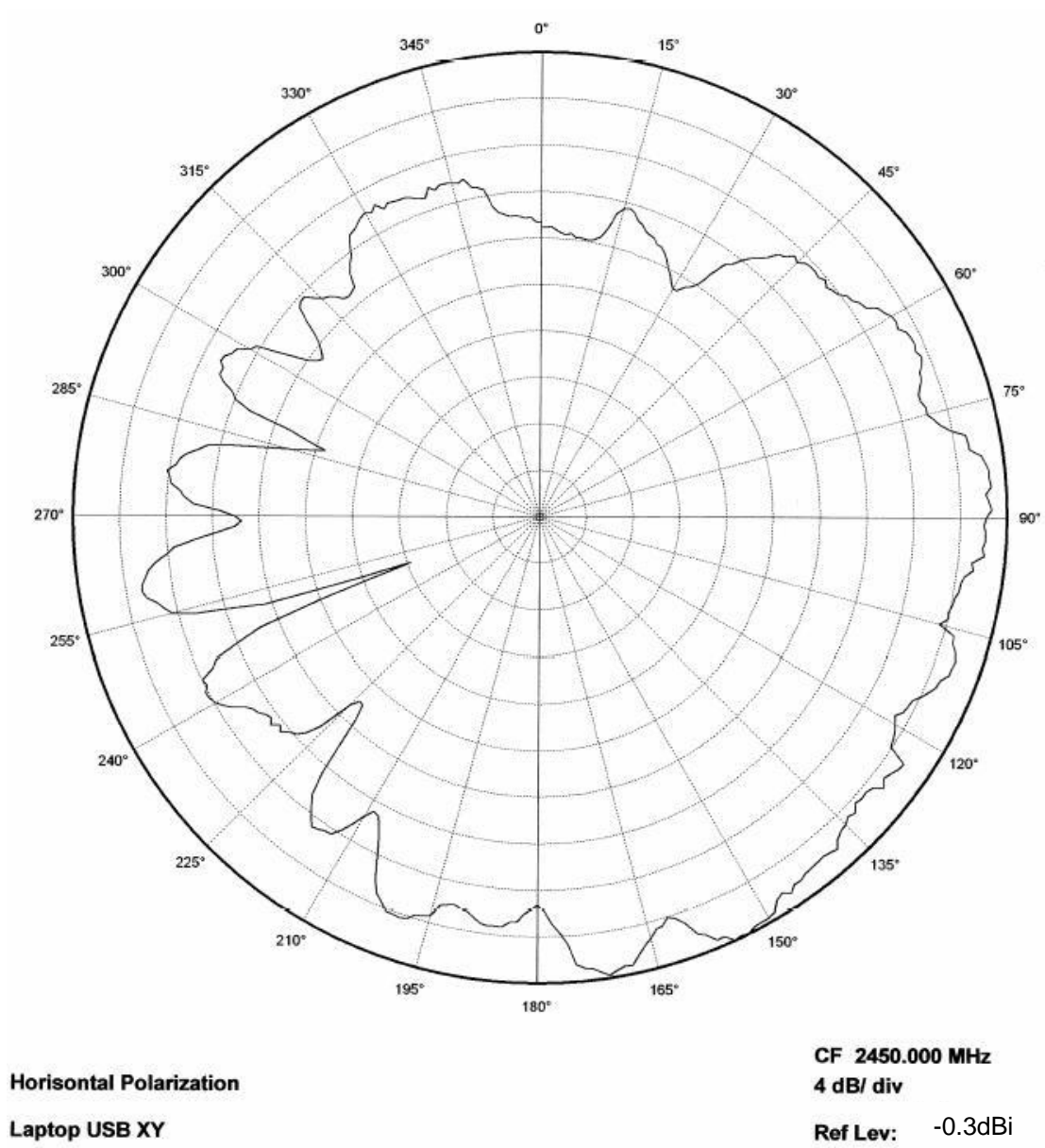
**3 dB/ div**

**Ref Lev: -1.2dBi**

**Figure YZ Plane**



**Figure: Laptop XY Plane**



**Figure: Laptop XY**