

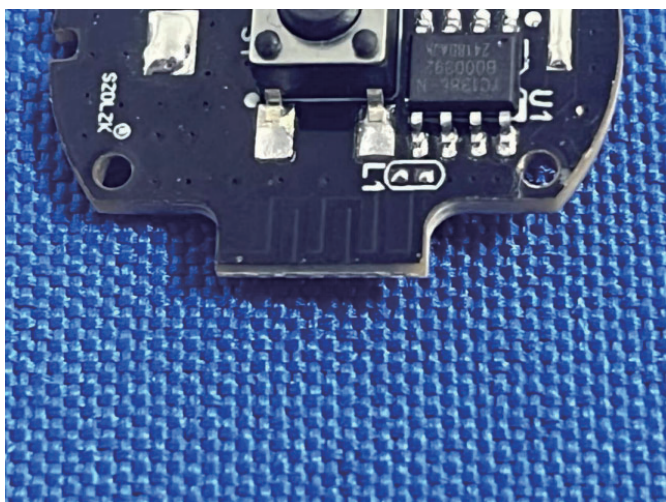
2.4 GHz PCB antenna Specification

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1 KEYWORDS

- *RT005E ANT*
- *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

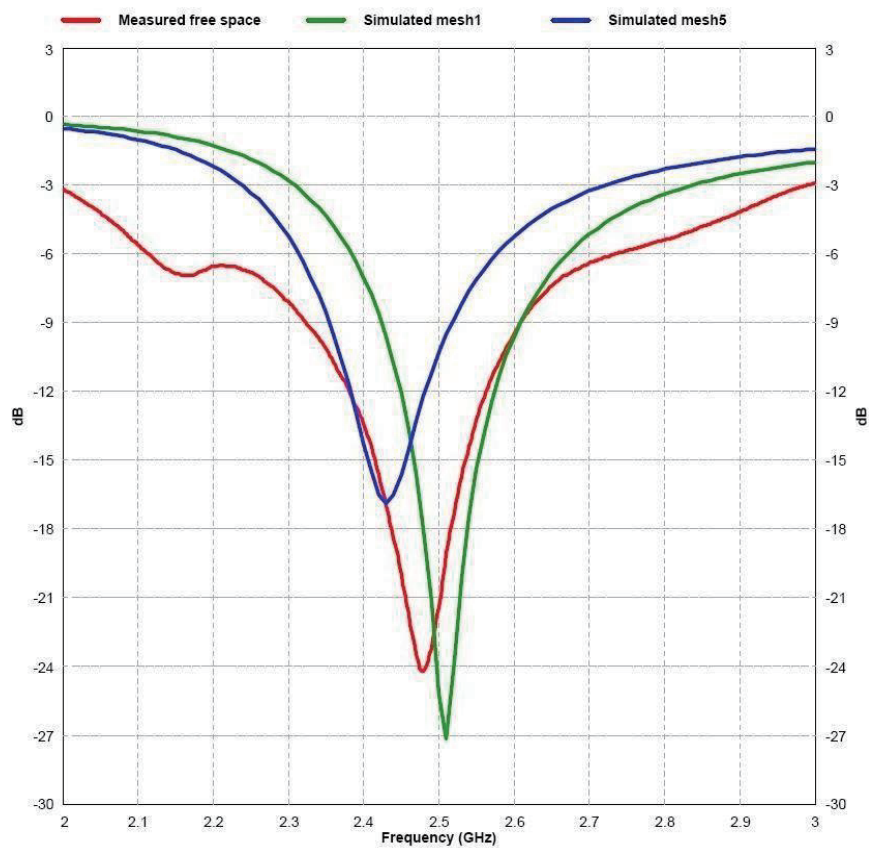


Figure : Comparison of Simulation and Measurements Results

Antenna 3D patterns

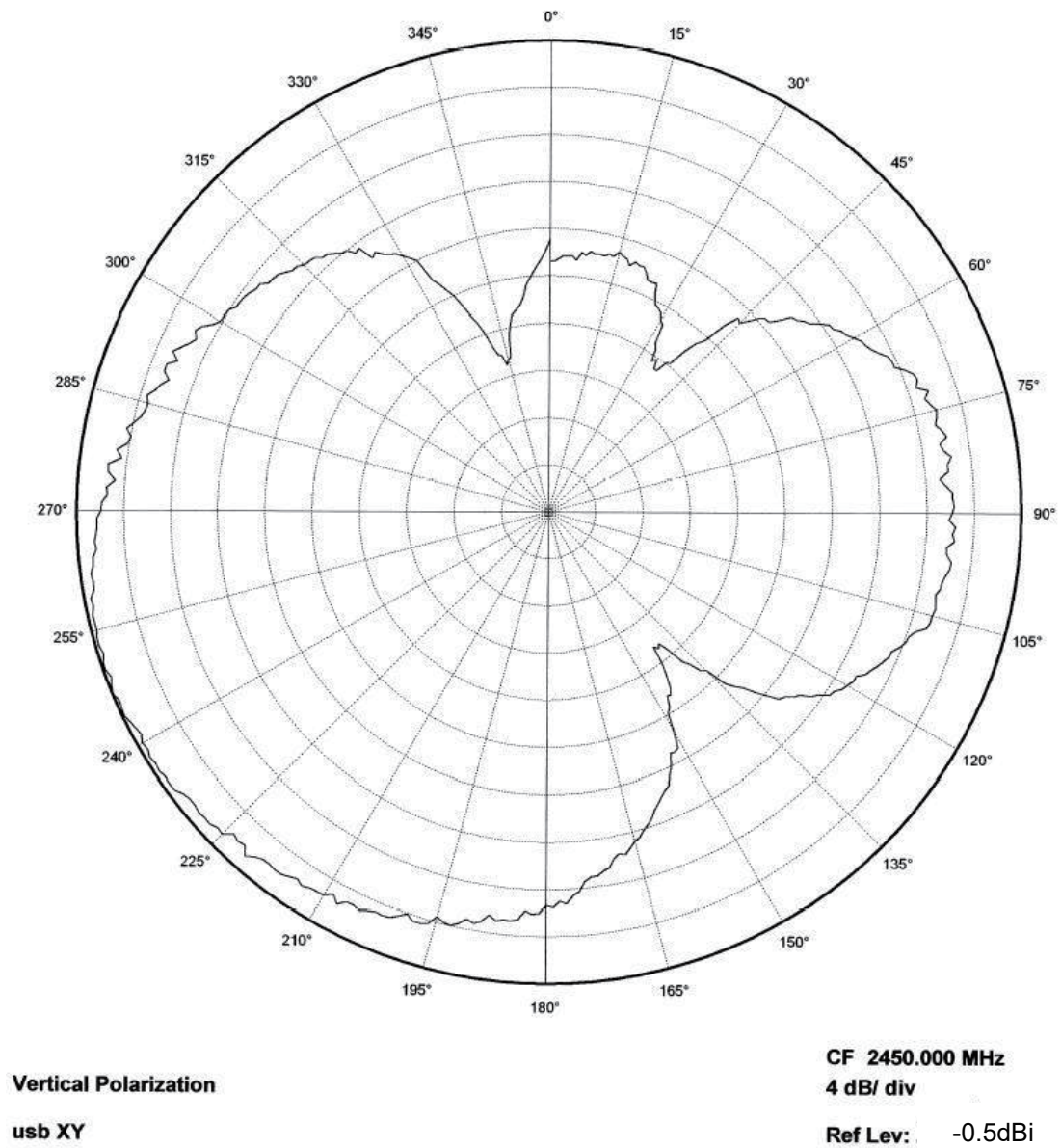
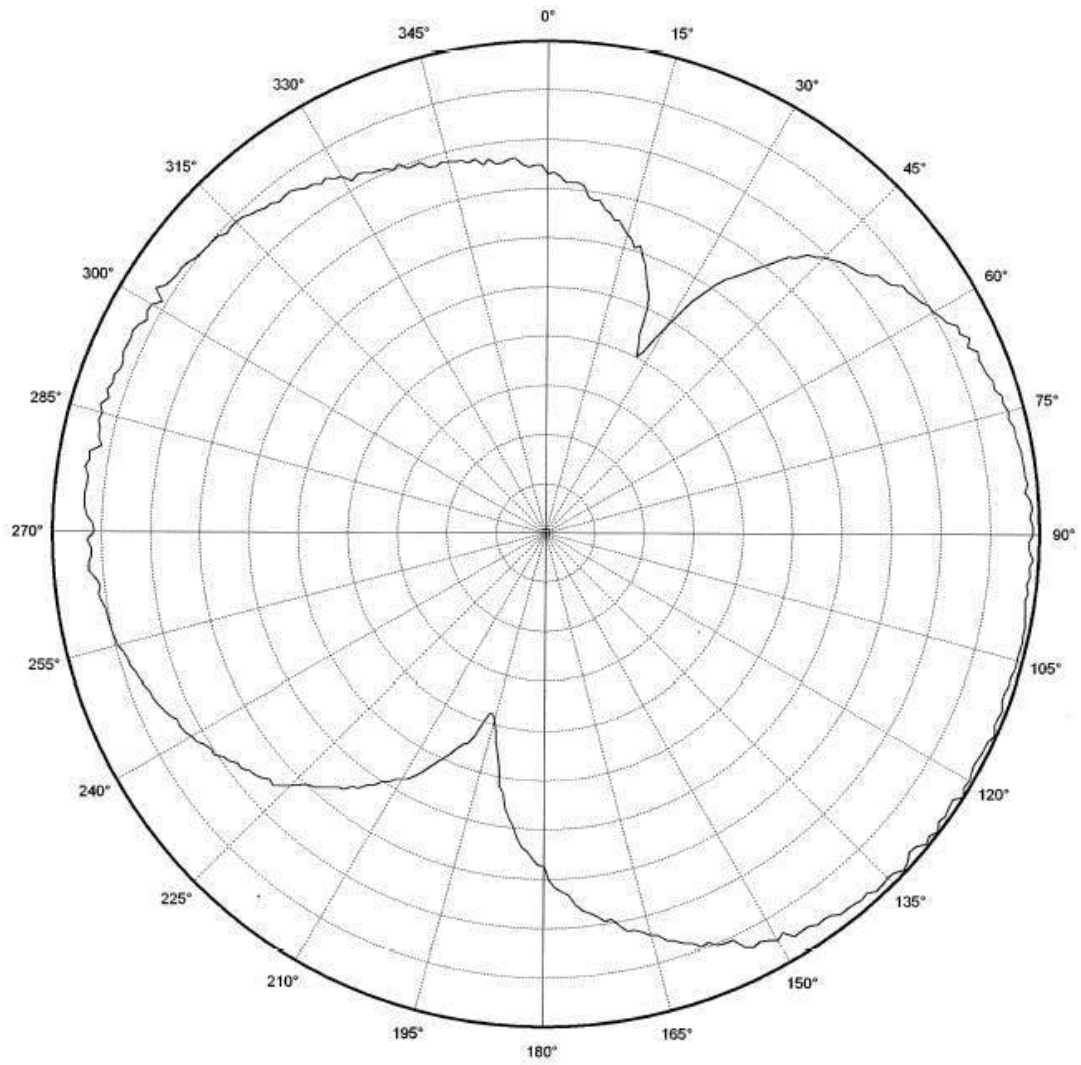


Figure : XY Plane



Horizontal Polarization

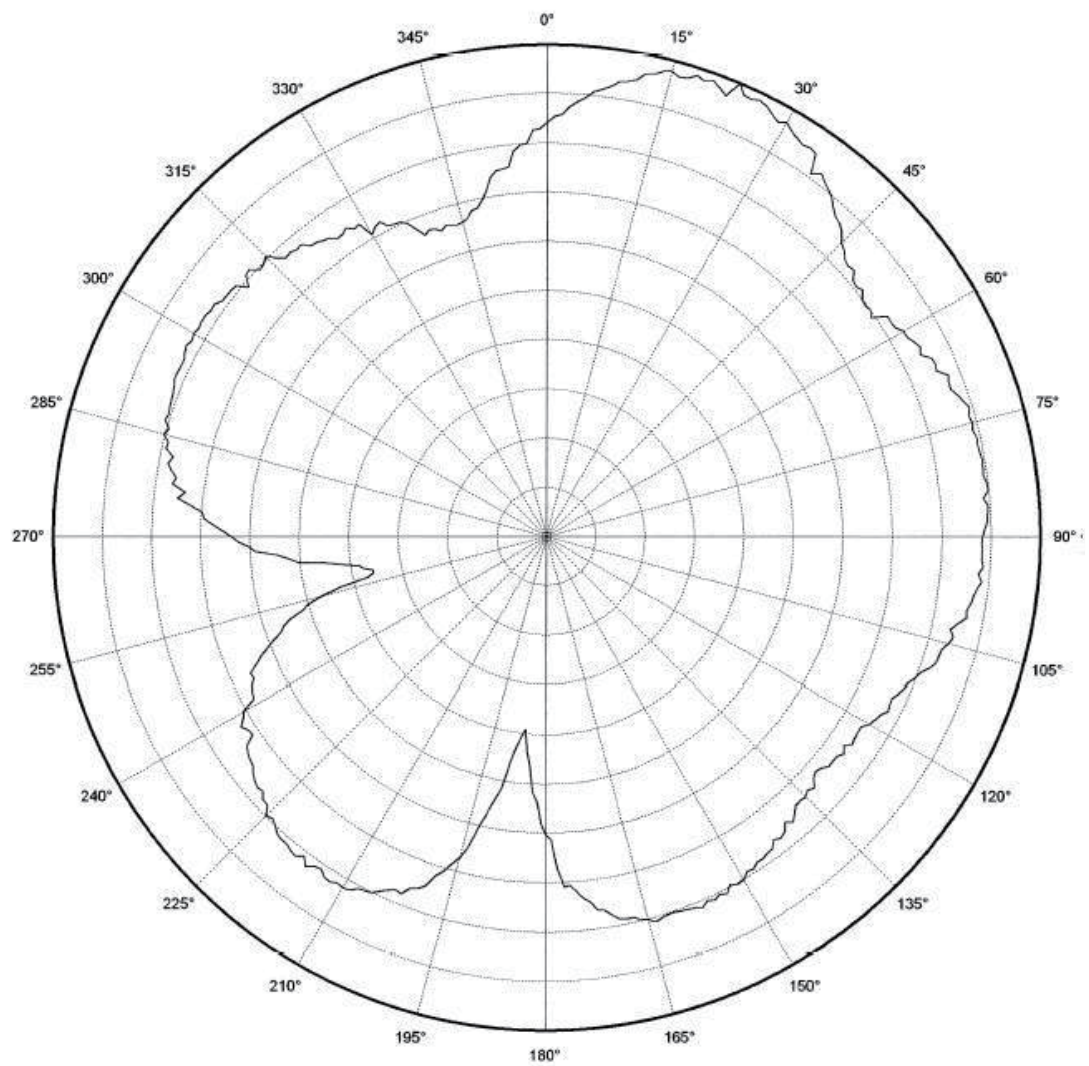
usb XY

CF 2450.000 MHz

5 dB/ div

Ref Lev: 0.0dBi

Figure :XY Plane



Vertical Polarization

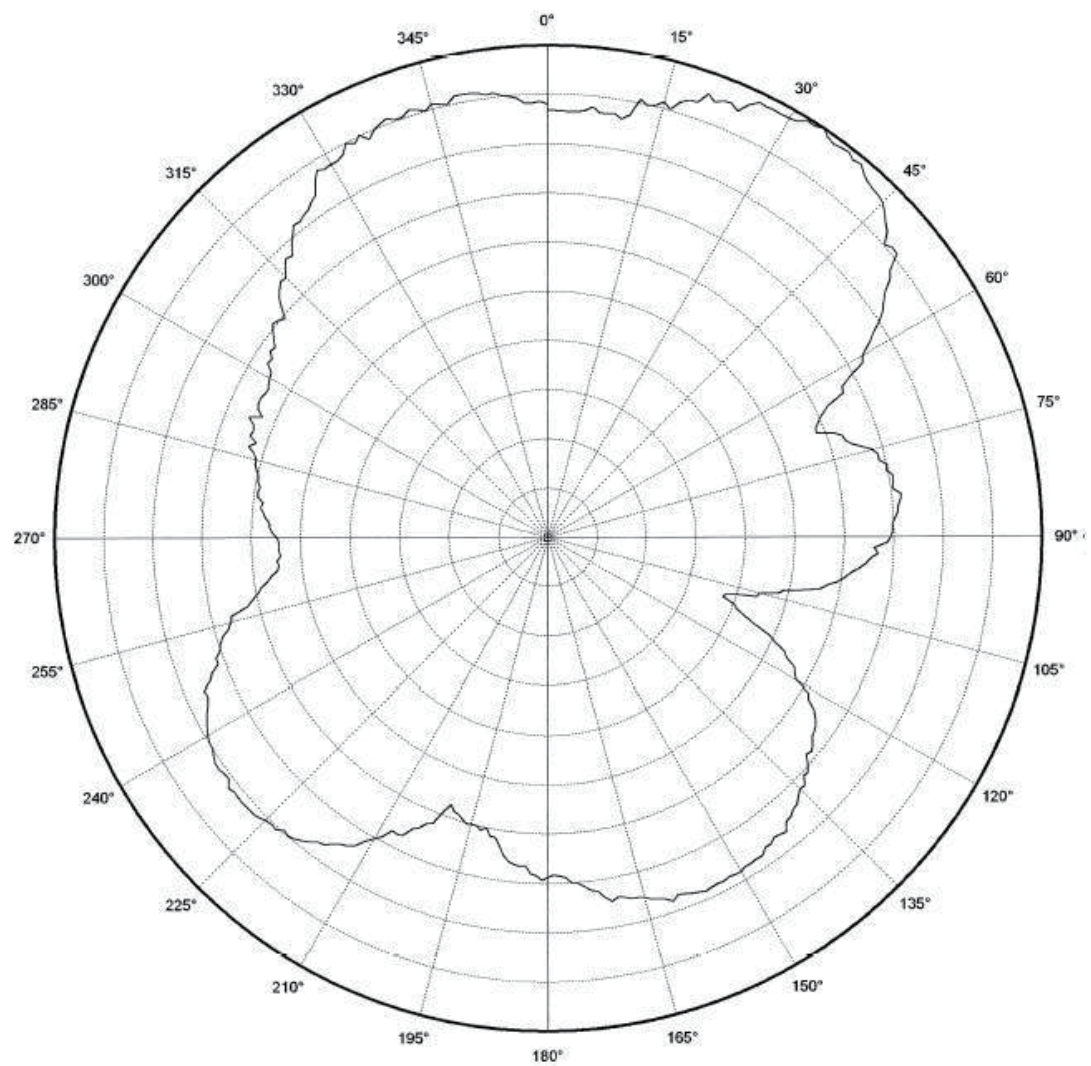
usb XZ

CF 2450.000 MHz

4 dB/ div

Ref Lev: -0.2dBi

Figure : XZ Plane



Horizontal Polarization

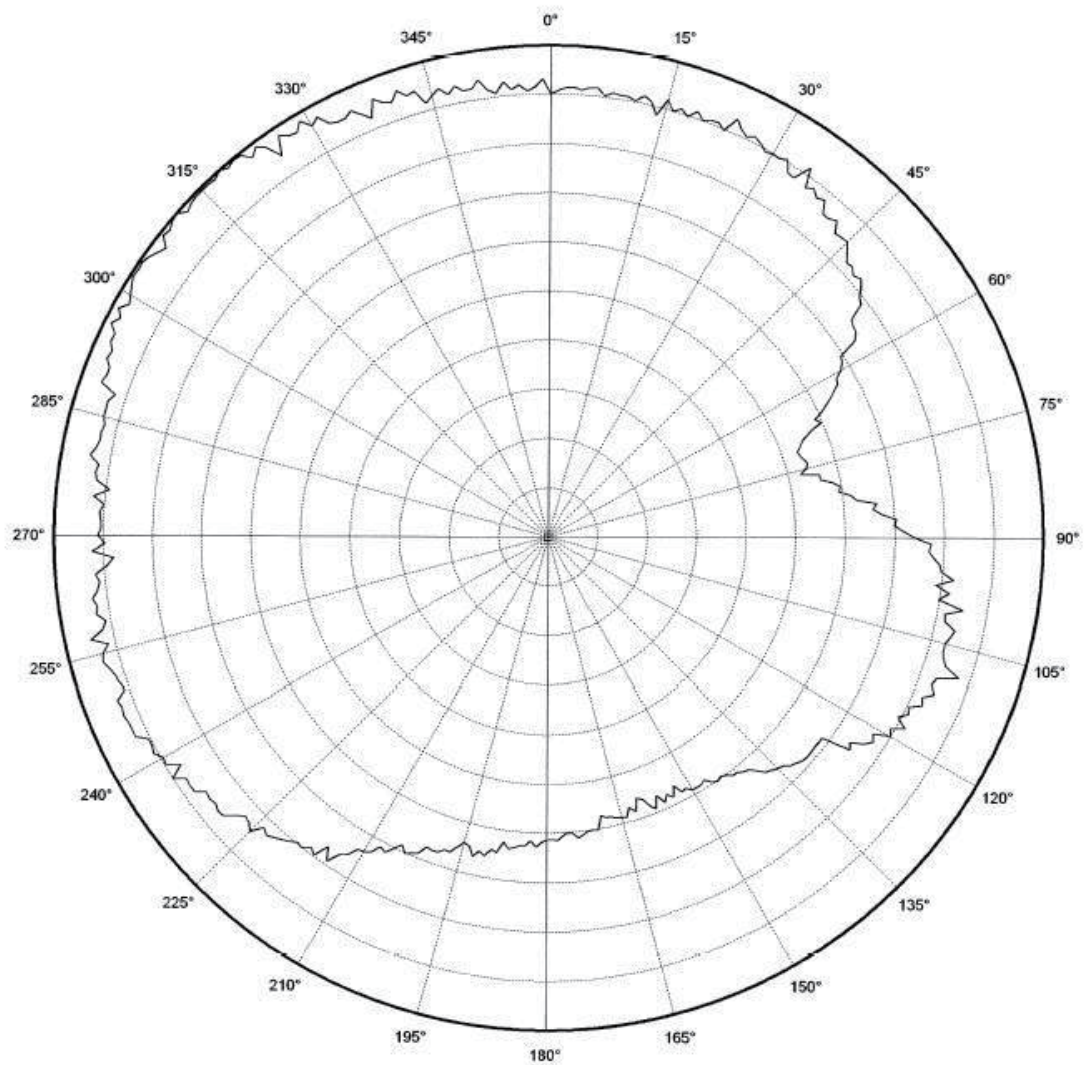
usb XZ

CF 2450.000 MHz

4 dB/ div

Ref Lev: -0.1dBi

Figure : XZ Plane



Vertical Polarization

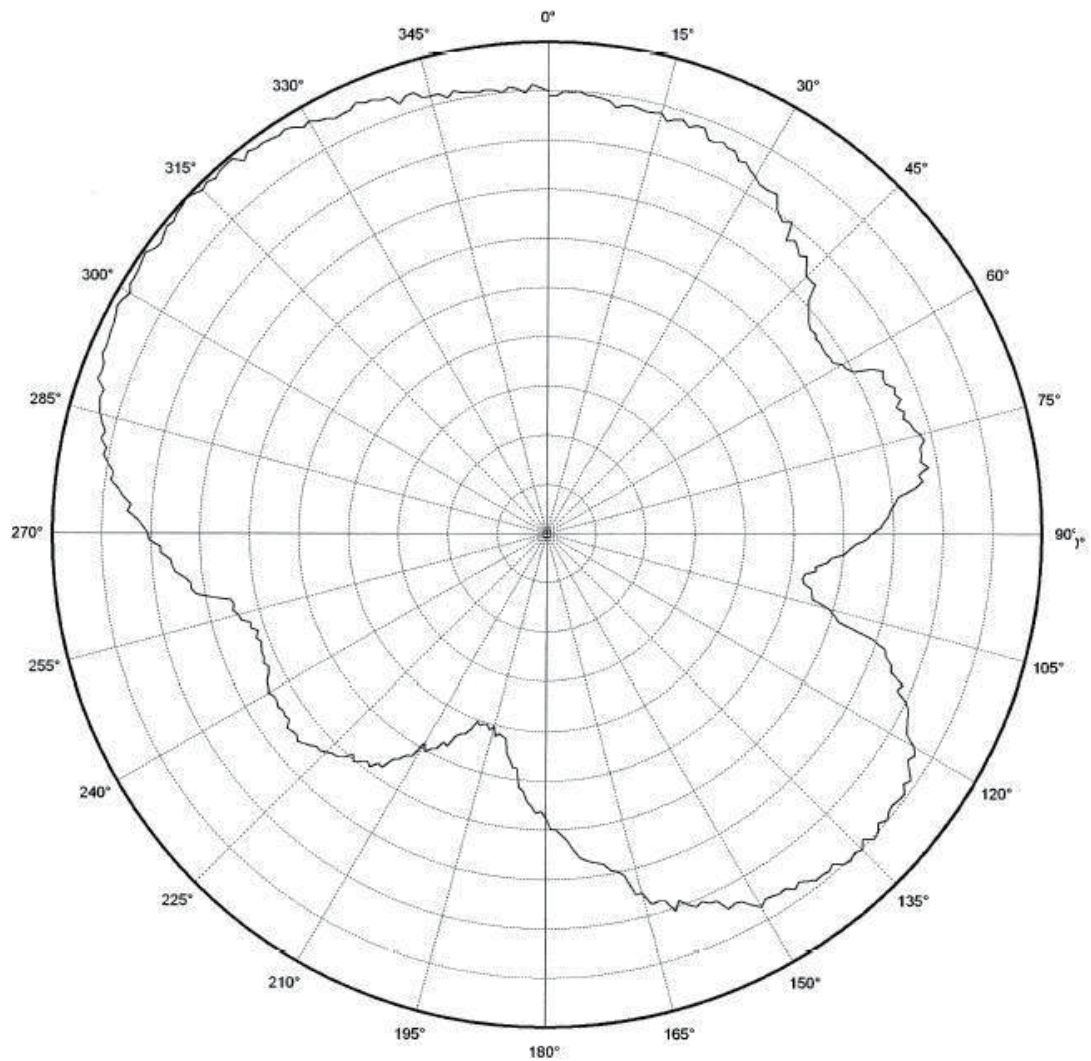
usb YZ

CF 2450.000 MHz

2 dB/ div

Ref Lev: -0.1dBi

Figure : YZ Plane



Horizontal Polarization

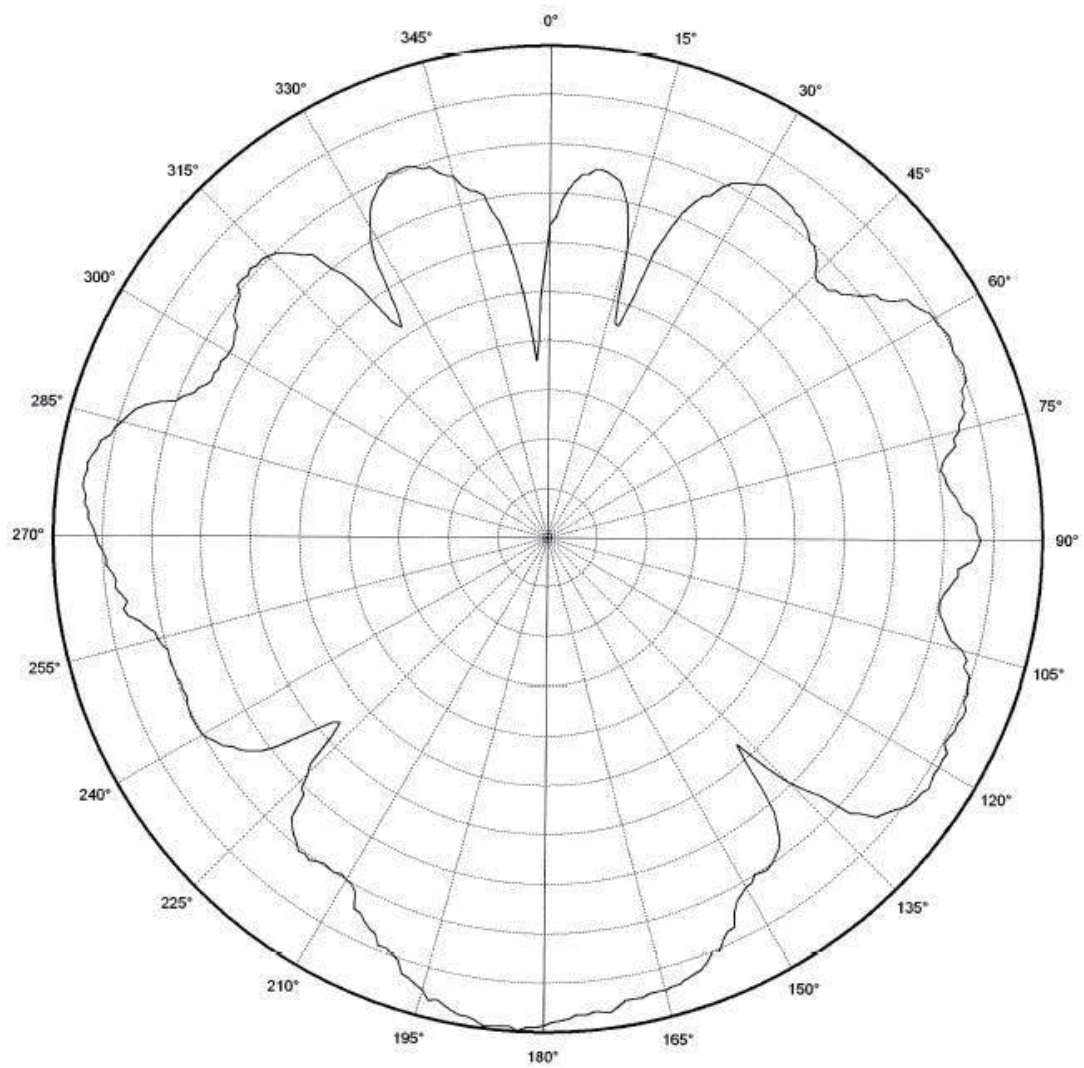
usb YZ

CF 2450.000 MHz

3 dB/ div

Ref Lev: -1.2dBi

Figure YZ Plane



Vertical Polarization

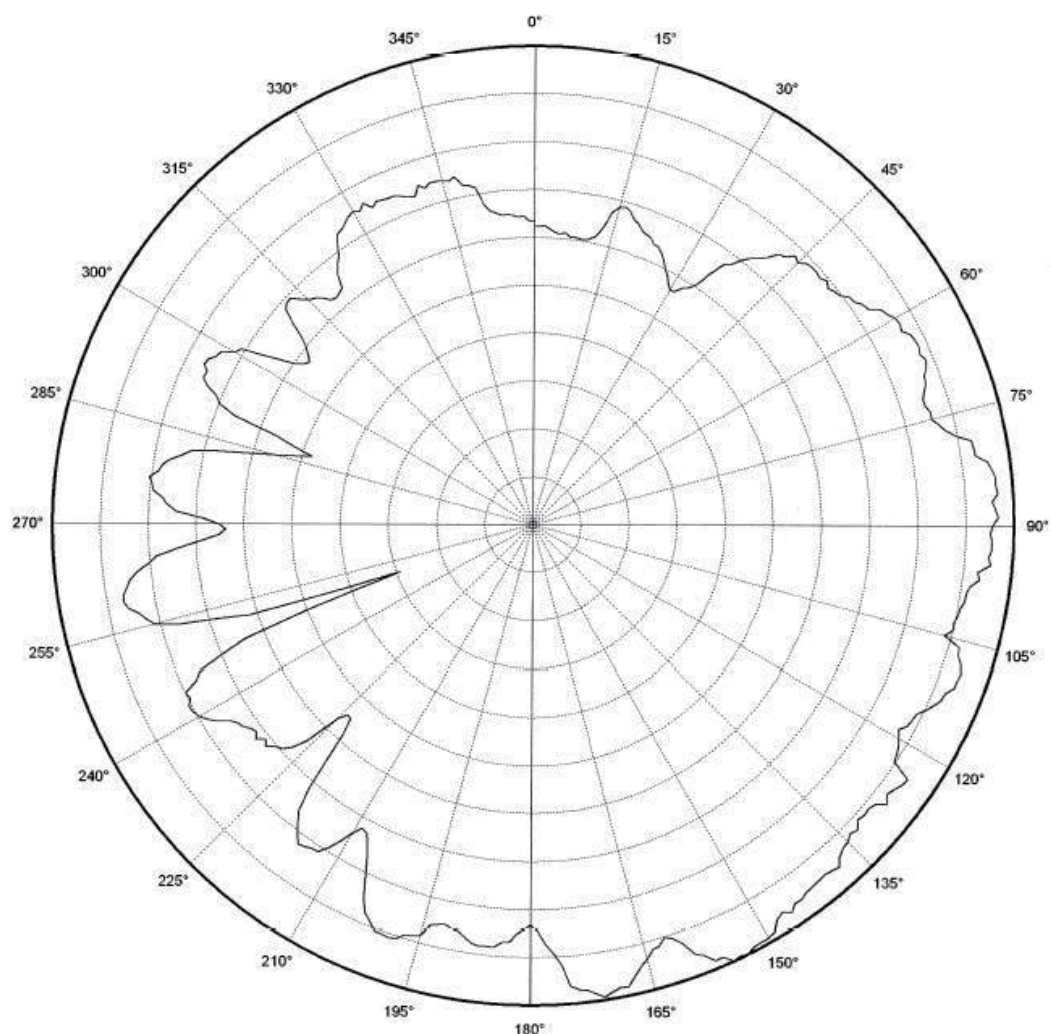
Laptop USB XY

CF 2450.000 MHz

5 dB/ div

Ref Lev: -0.2dBi

Figure: Laptop XY Plane



Horizontal Polarization

Laptop USB XY

CF 2450.000 MHz

4 dB/ div

Ref Lev: -0.3dBi

Figure: Laptop XY