

## WIFI antenna specifications

WIFI antenna adopts onboard antenna

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400~2500	Frequency Range (MHZ)	2400~2500
特性阻抗( $\Omega$ )	50	Impedance( $\Omega$ )	50
增益(dBi)	$\leq 3$	Gain(dBi)	$\leq 3$

物理性能		Physical Properties	
工作温度	-20°C~+50°C	Operating Temp	-20°C~+50°C
保存温度	-20°C~+50°C	Storage Temp	-20°C~+50°C

Manufacturer : SHENZHEN WOPET SMART TECHNOLOGY CO., LTD.  
Address : ROOM 923, BLOCK A, ECONOMIC BUILDING, HUAFENG, HEADQUARTERS  
NO. 288, XIXIANG AVENUE, LAODONG COMMUNITY, XIXIANG STREET, BAOAN DISTRICT,  
SHENZHEN CHINA  
Model No. /Part No.: FW\_U2

一、 Antenna size

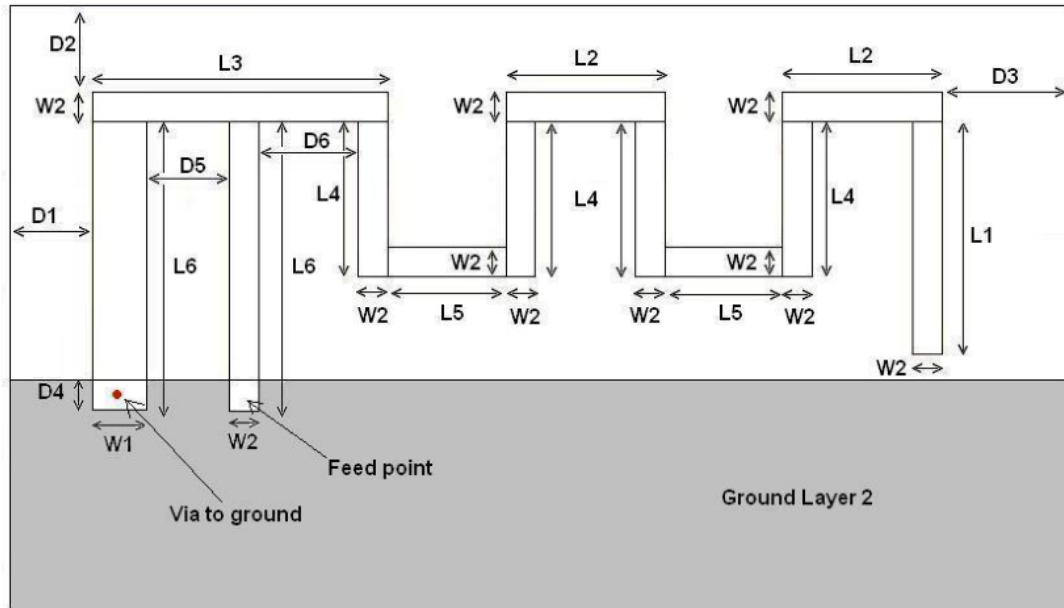
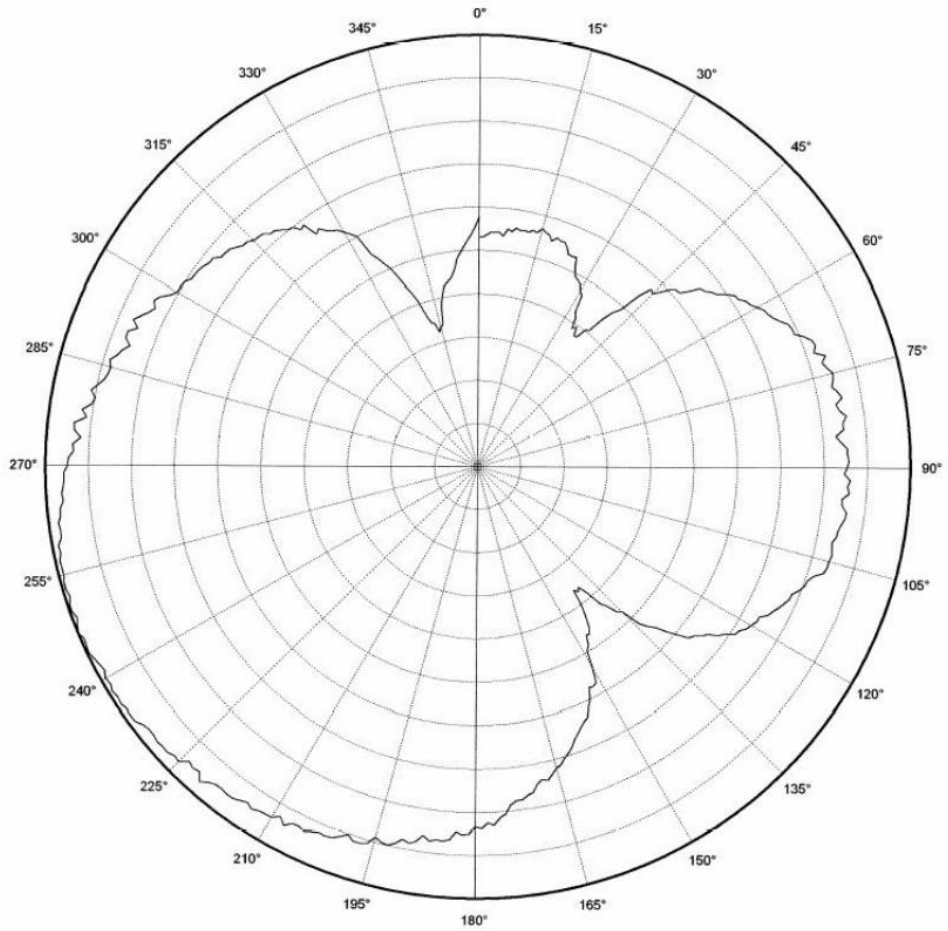


Figure 3: Antenna Dimensions

L1	3.94 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

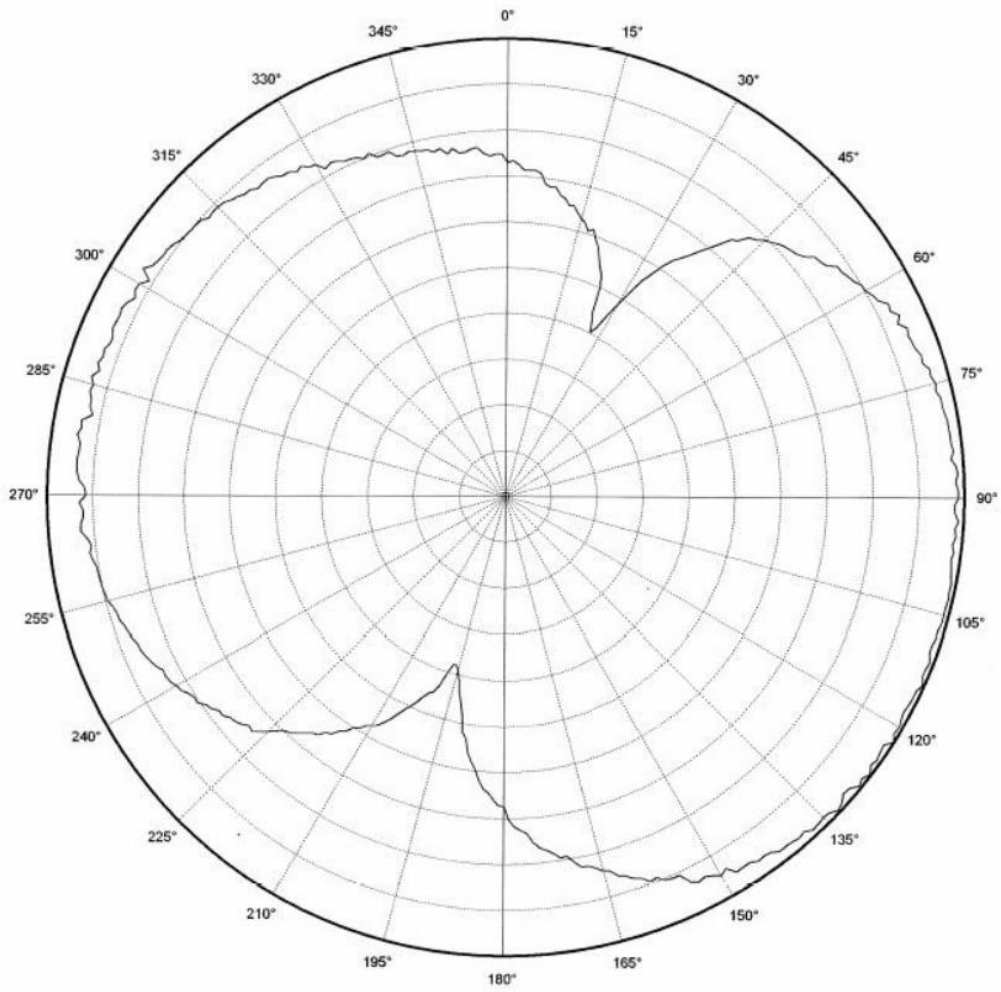
Table 1: Antenna Dimensions

二、 Gain pattern



Vertical Polarization  
usb XY

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



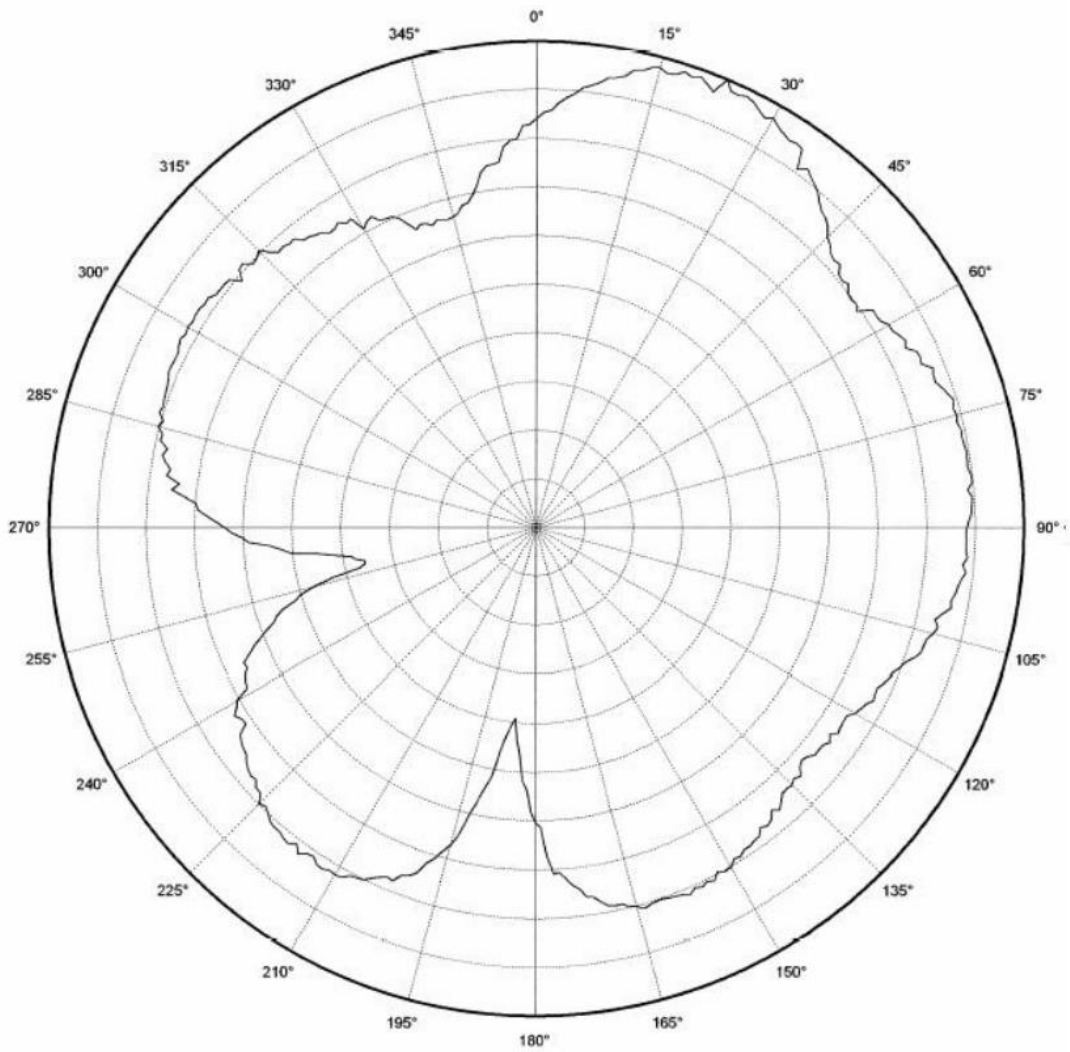
Horizontal Polarization

usb XY

CF 2450.000 MHz

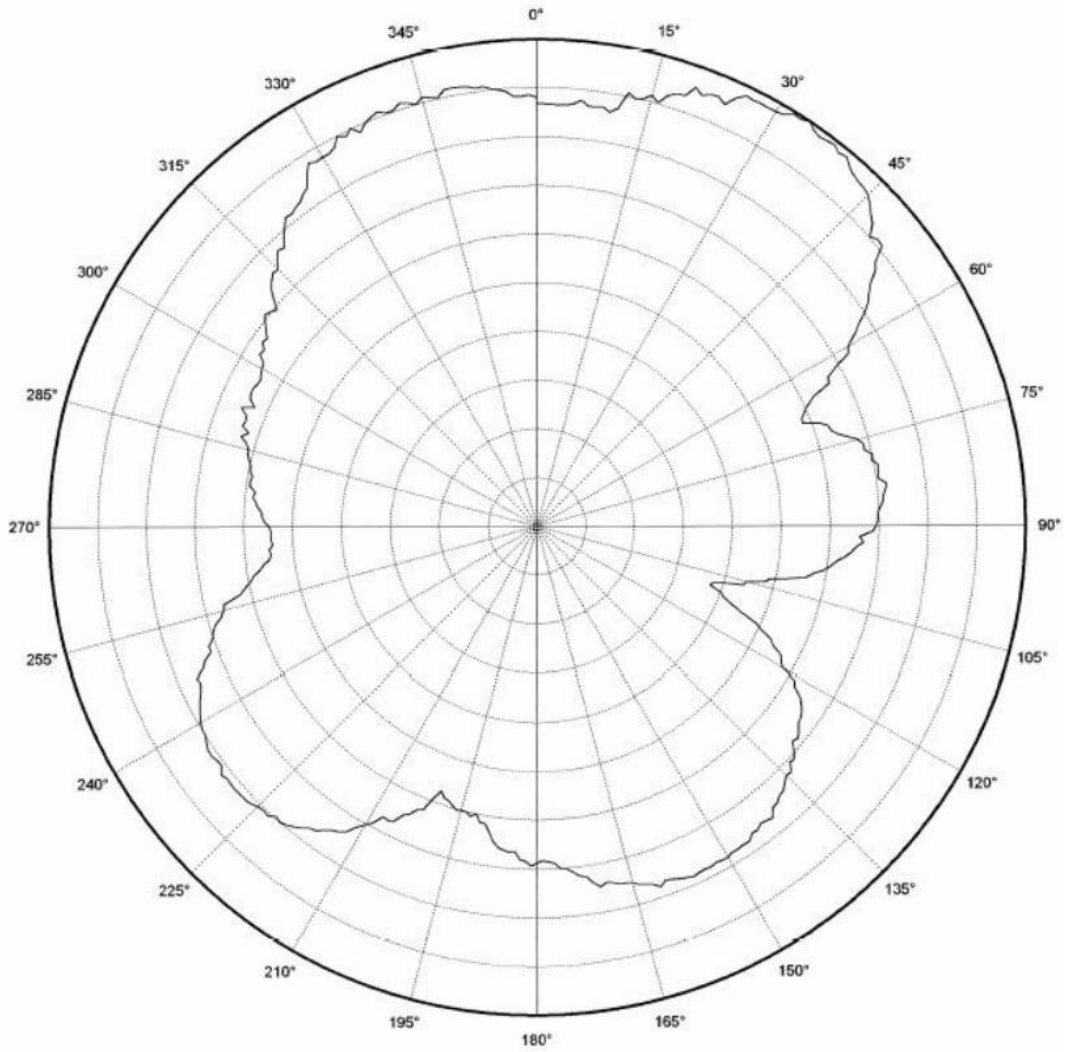
5 dB/ div

Ref Lev: *4.5* ..... dBm



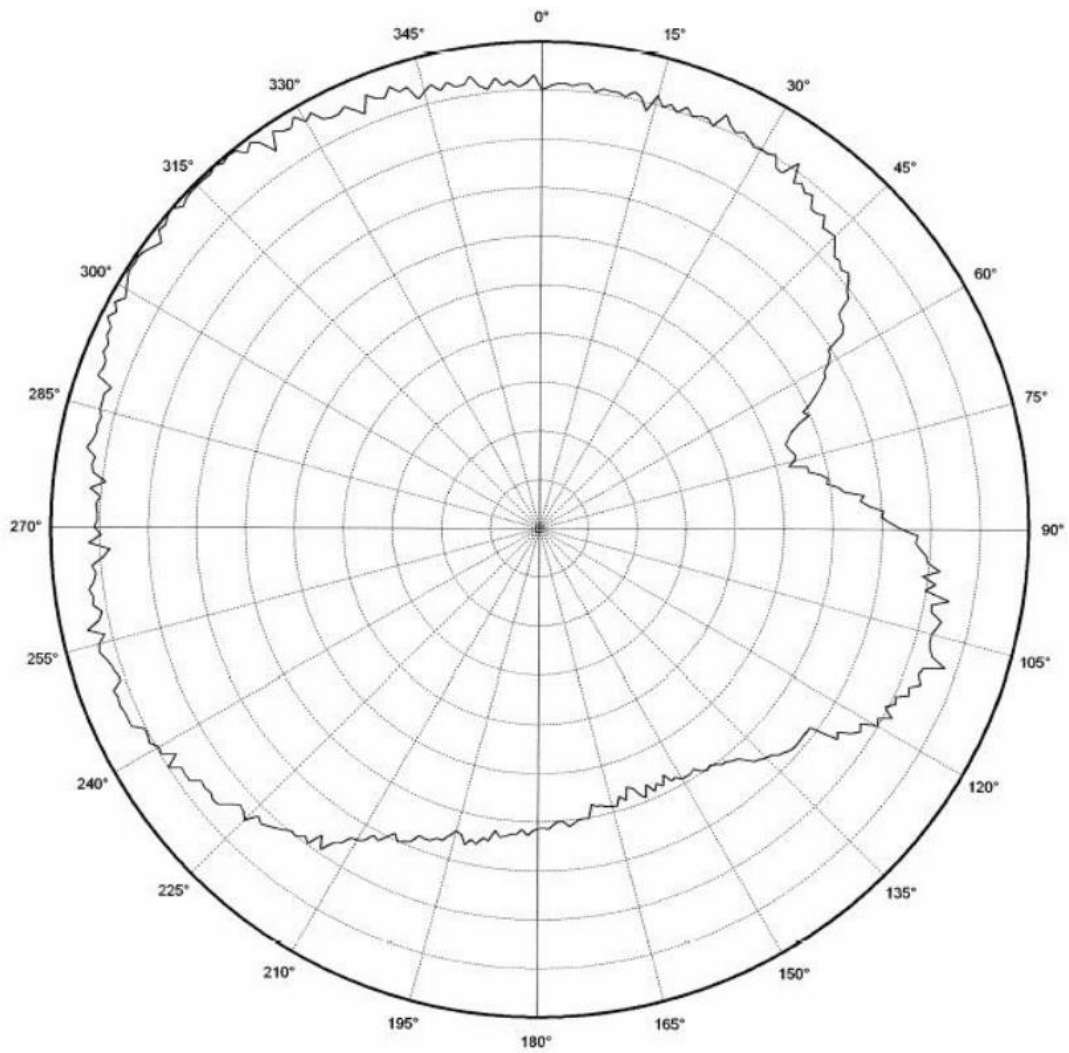
Vertical Polarization  
usb XZ

CF 2450.000 MHz  
4 dB/ div  
Ref Lev: ..... 2.2 dBm



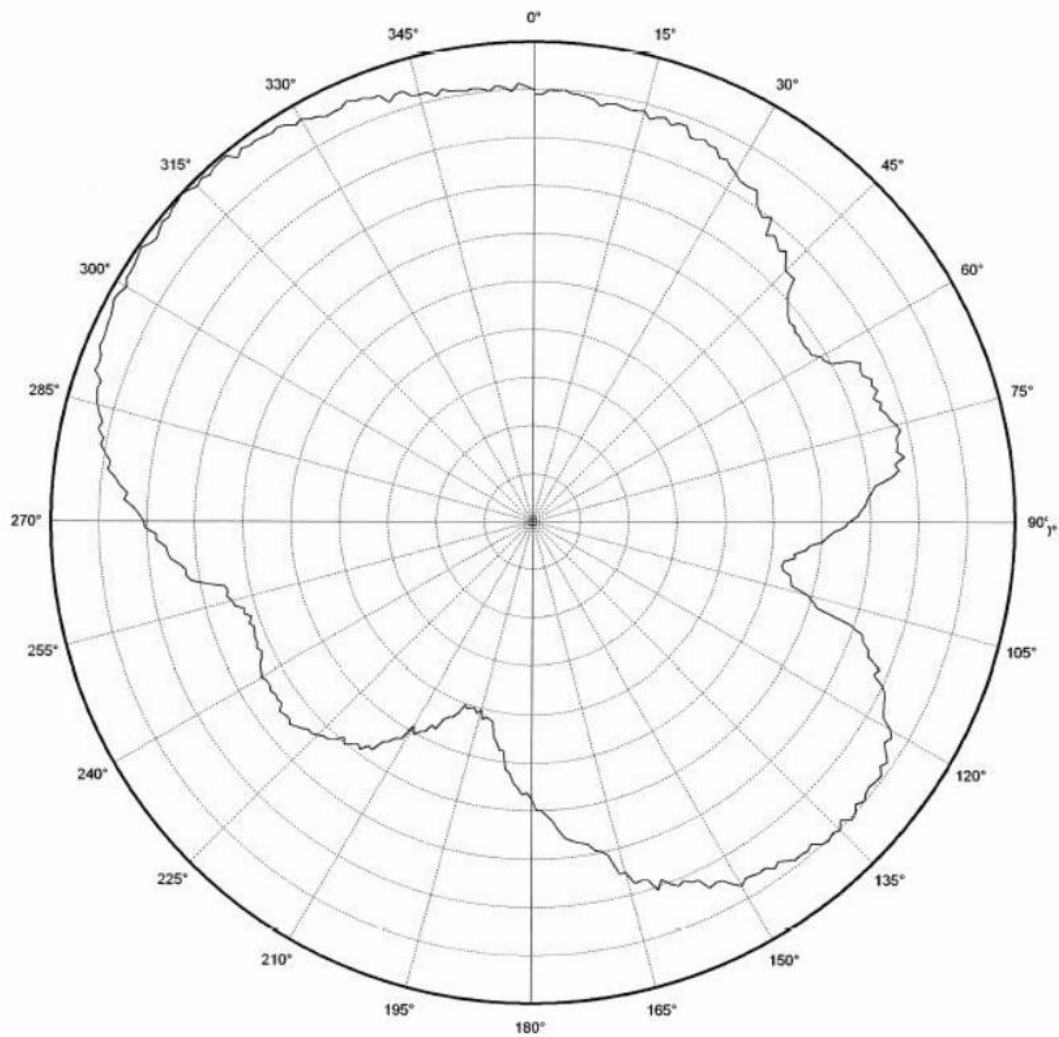
Horizontal Polarization  
usb XZ

CF 2450.000 MHz  
4 dB/ div  
Ref Lev: 5.3 dBm



Vertical Polarization  
usb YZ

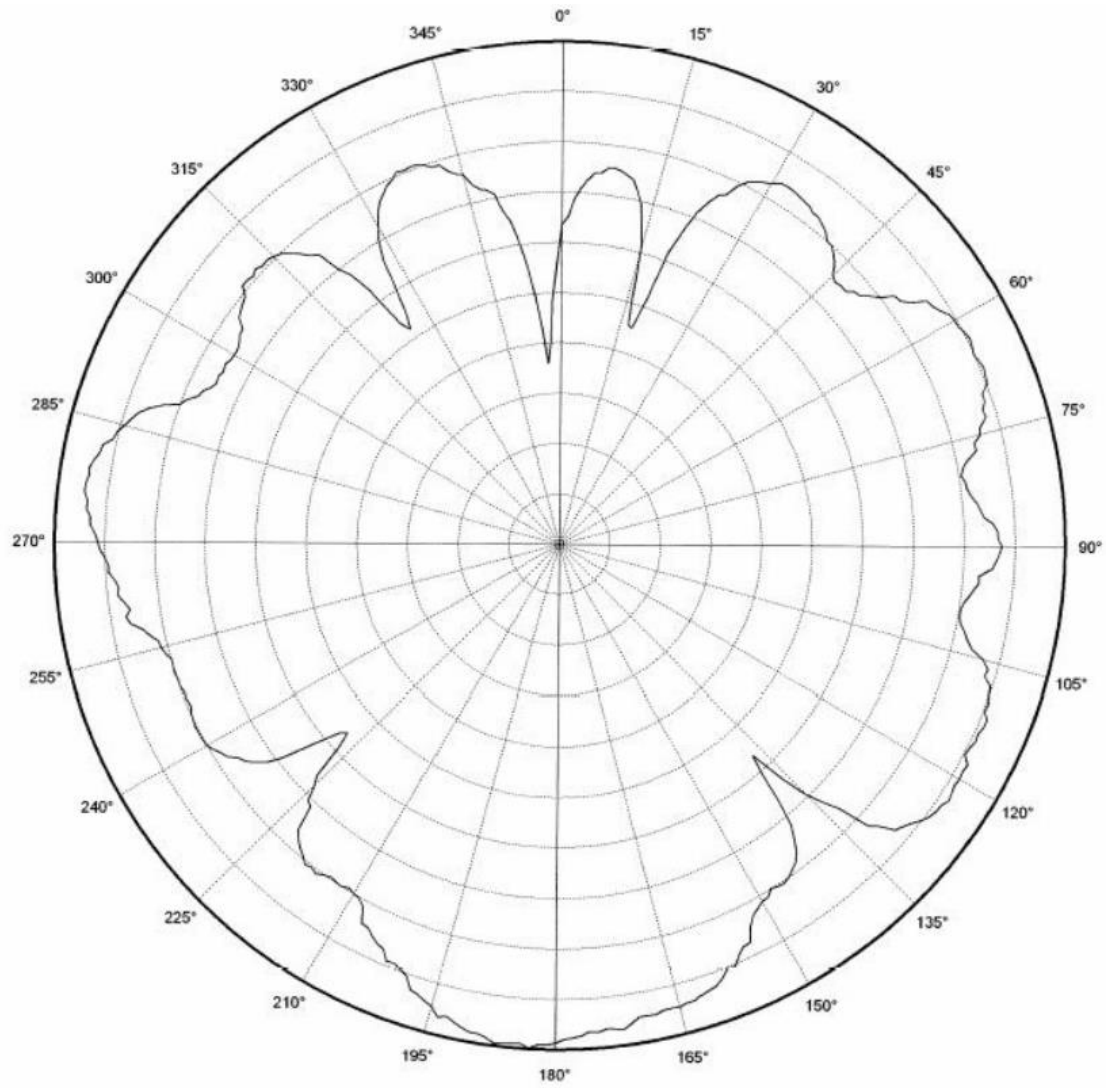
CF 2450.000 MHz  
2 dB/ div  
Ref Lev: ..... +5,3 dBm



Horizontal Polarization  
usb YZ

CF 2450.000 MHz  
3 dB/ div  
Ref Lev: <sup>-1.2</sup>..... dBm<sub>i</sub>





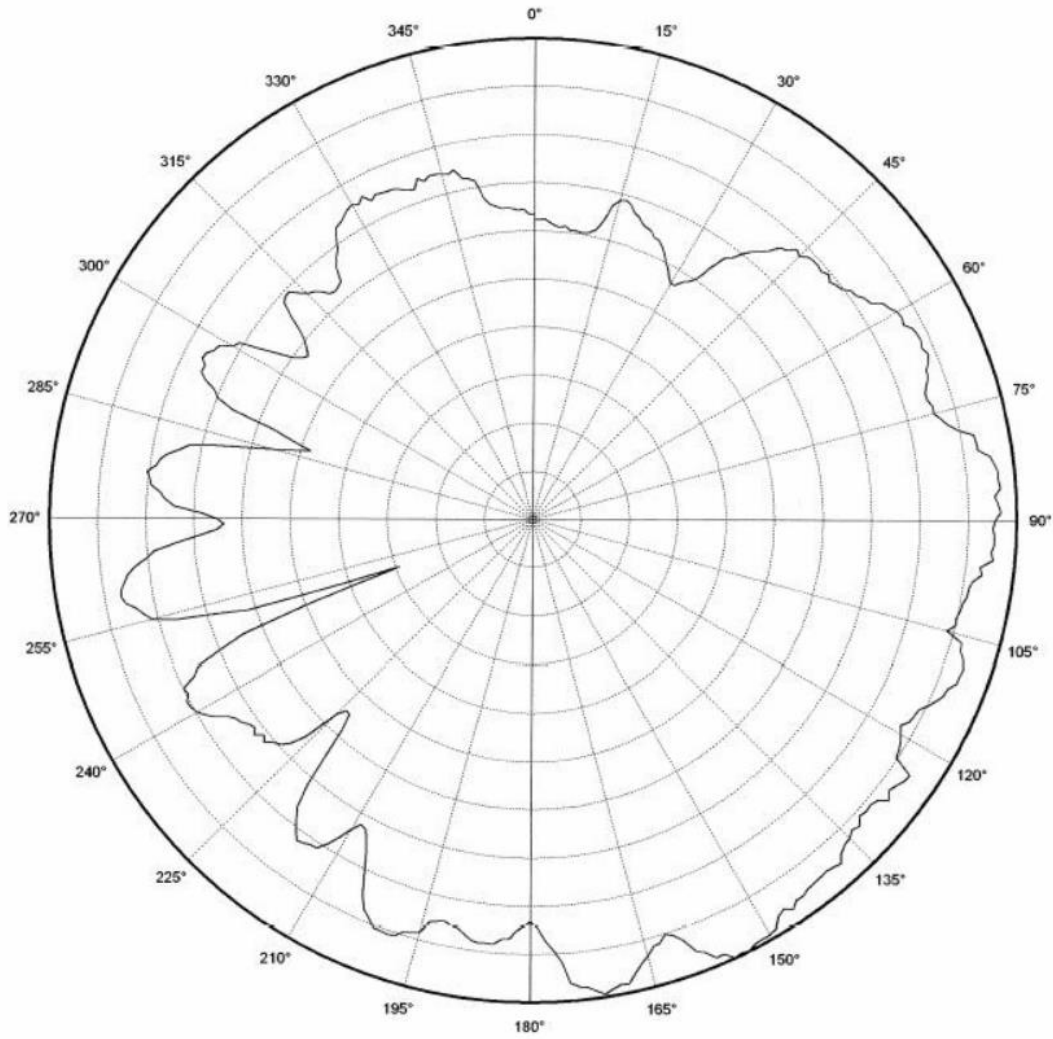
Vertical Polarization

laptop USB XY

CF 2450.000 MHz

5 dB/ div

Ref Lev: <sup>-20</sup>..... dBm



Horizontal Polarization

Laptop USB XY

CF 2450.000 MHz

4 dB/ div

Ref Lev: 3.3 dBm