

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(Ω)	50	Impedance(Ω)	50
增益(dBi)	≤ 3	Gain(dBi)	≤ 3

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

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

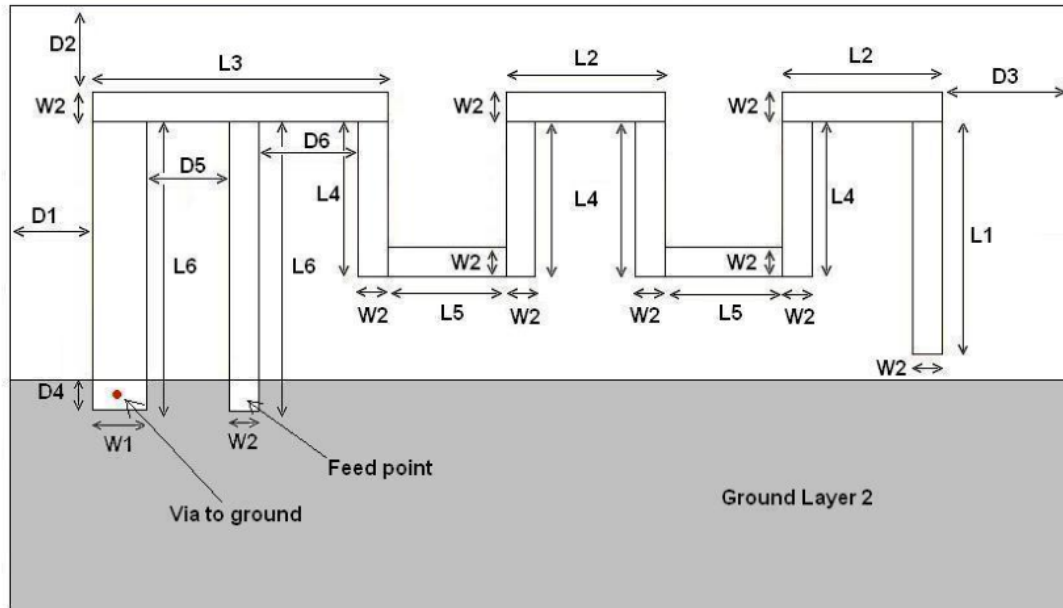
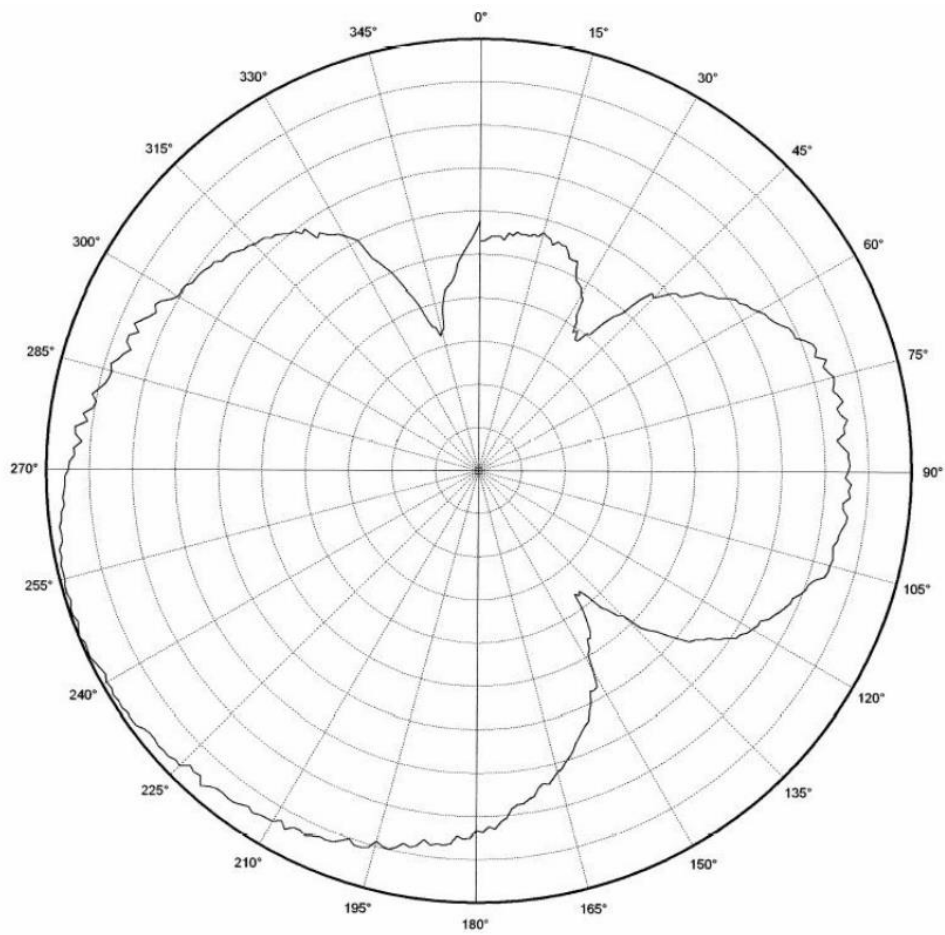


Figure 3: Antenna Dimensions

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

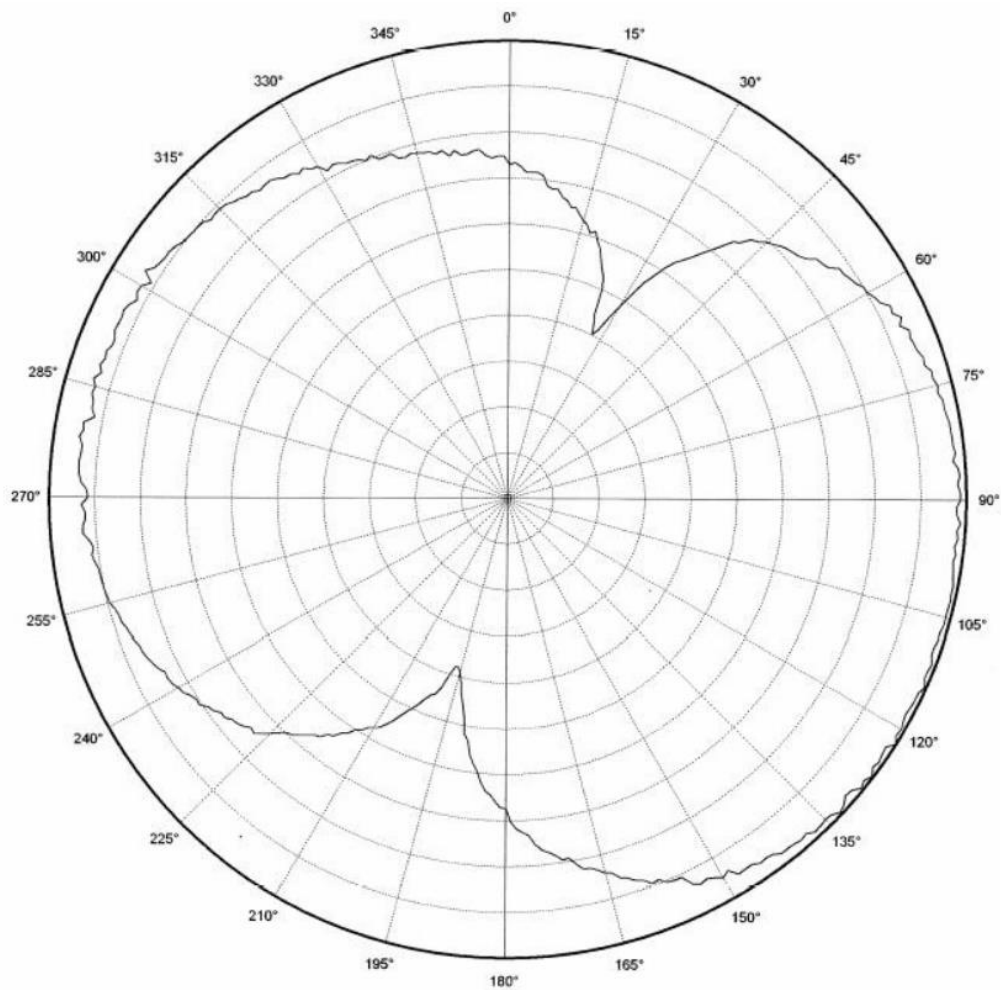
Table 1: Antenna Dimensions

二、 Gain pattern



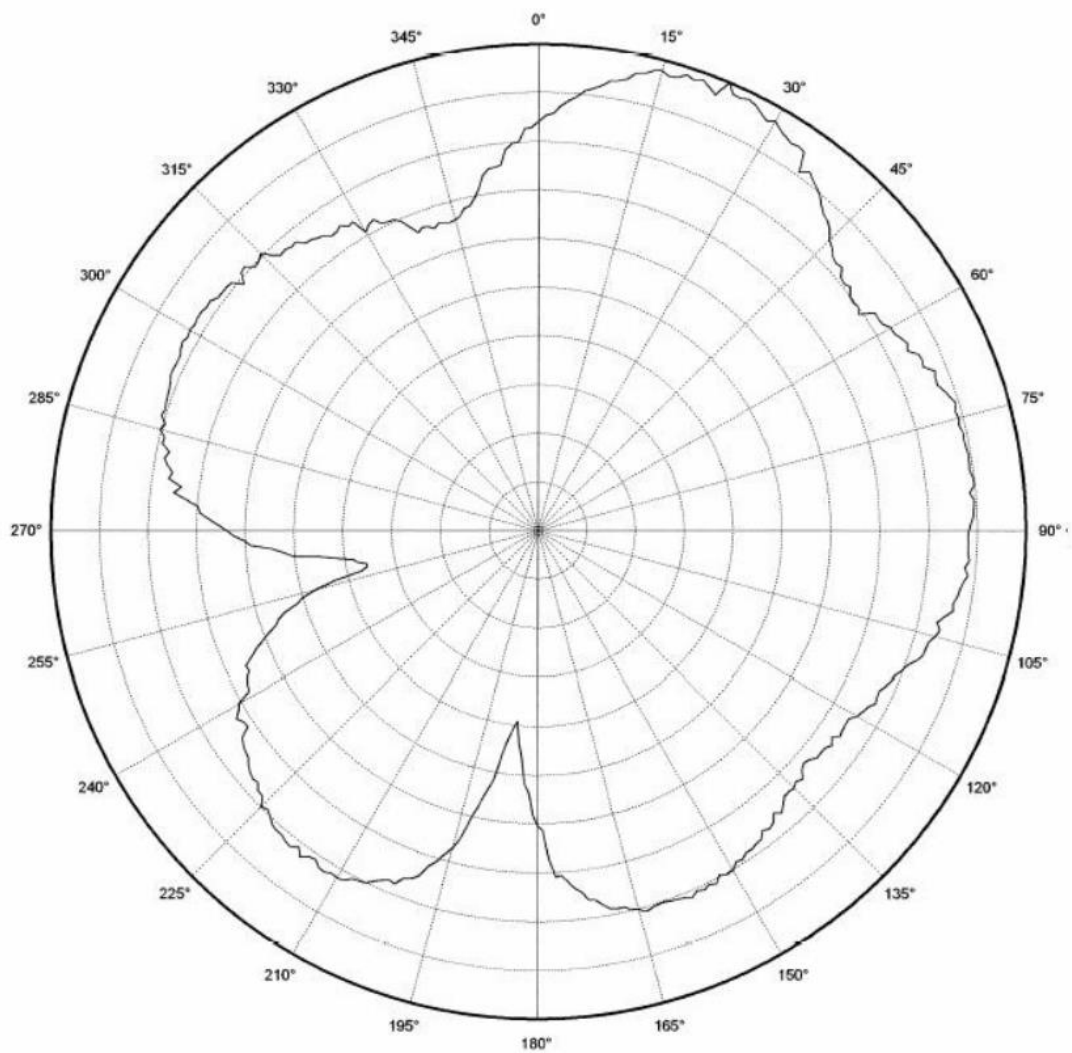
Vertical Polarization
usb XY

CF 2450.000 MHz
4 dB/ div
Ref Lev: dBm



Horizontal Polarization
usb XY

CF 2450.000 MHz
5 dB/ div
Ref Lev: 4.5 dBm



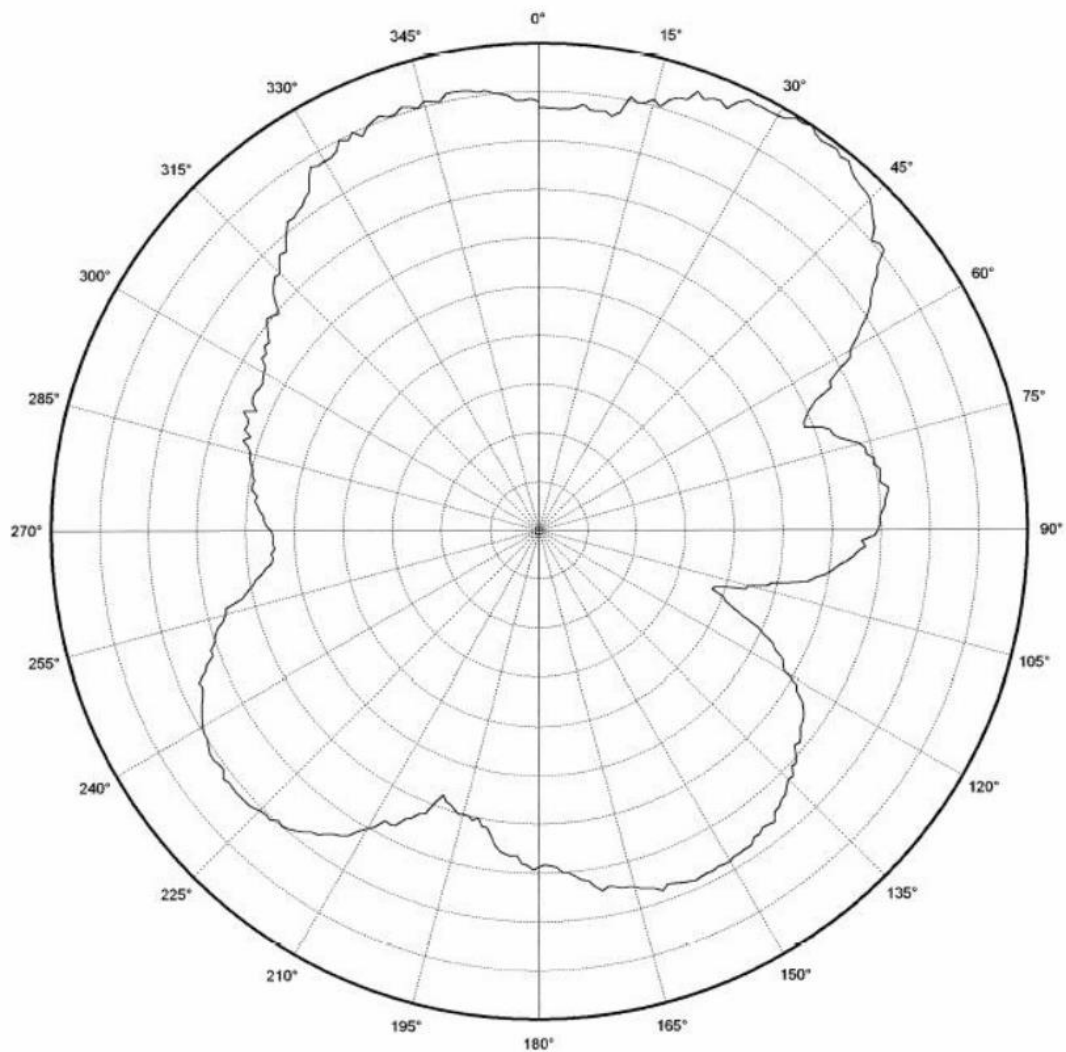
Vertical Polarization

usb XZ

CF 2450.000 MHz

4 dB/ div

Ref Lev: 2.2 dBm



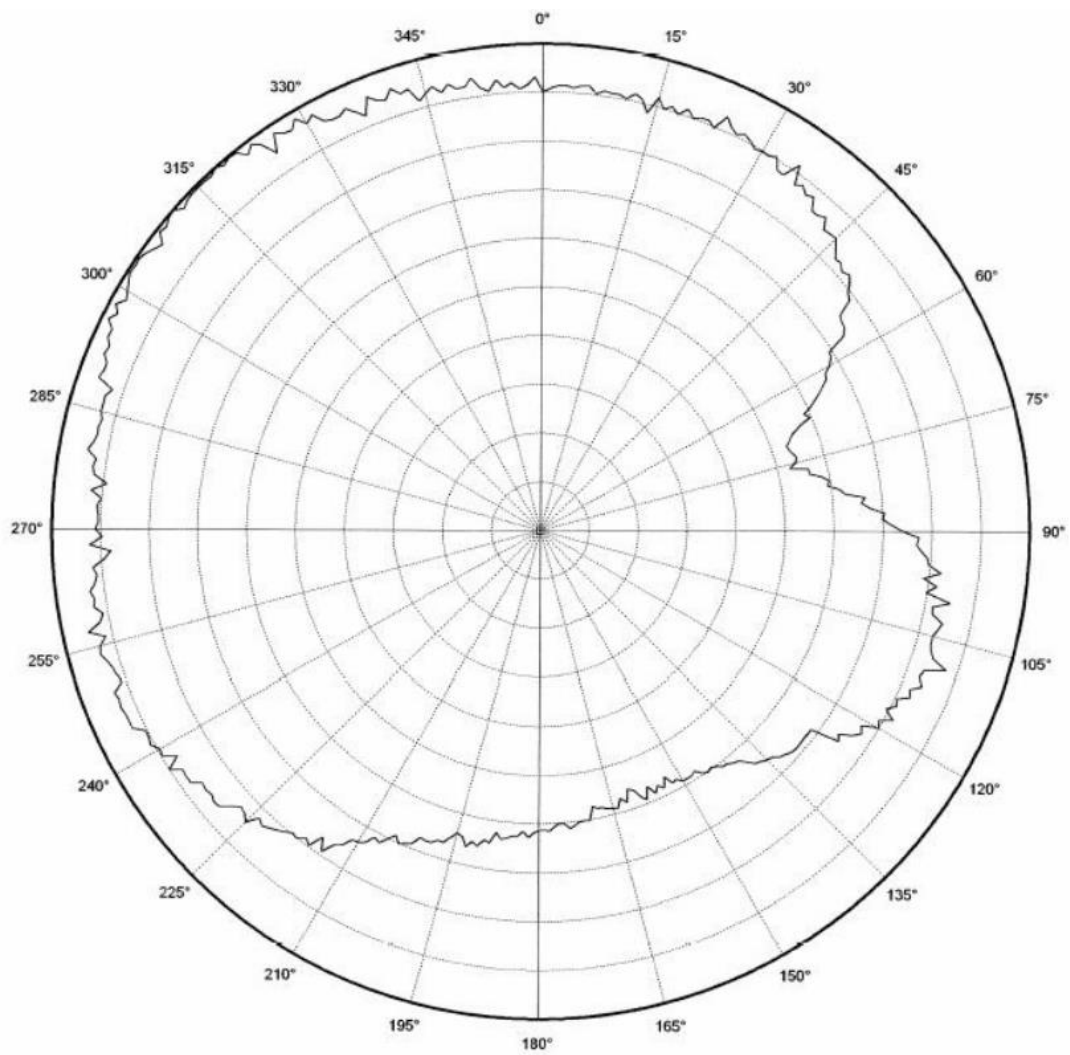
Horizontal Polarization

usb XZ

CF 2450.000 MHz

4 dB/ div

Ref Lev: 5.3 dBm



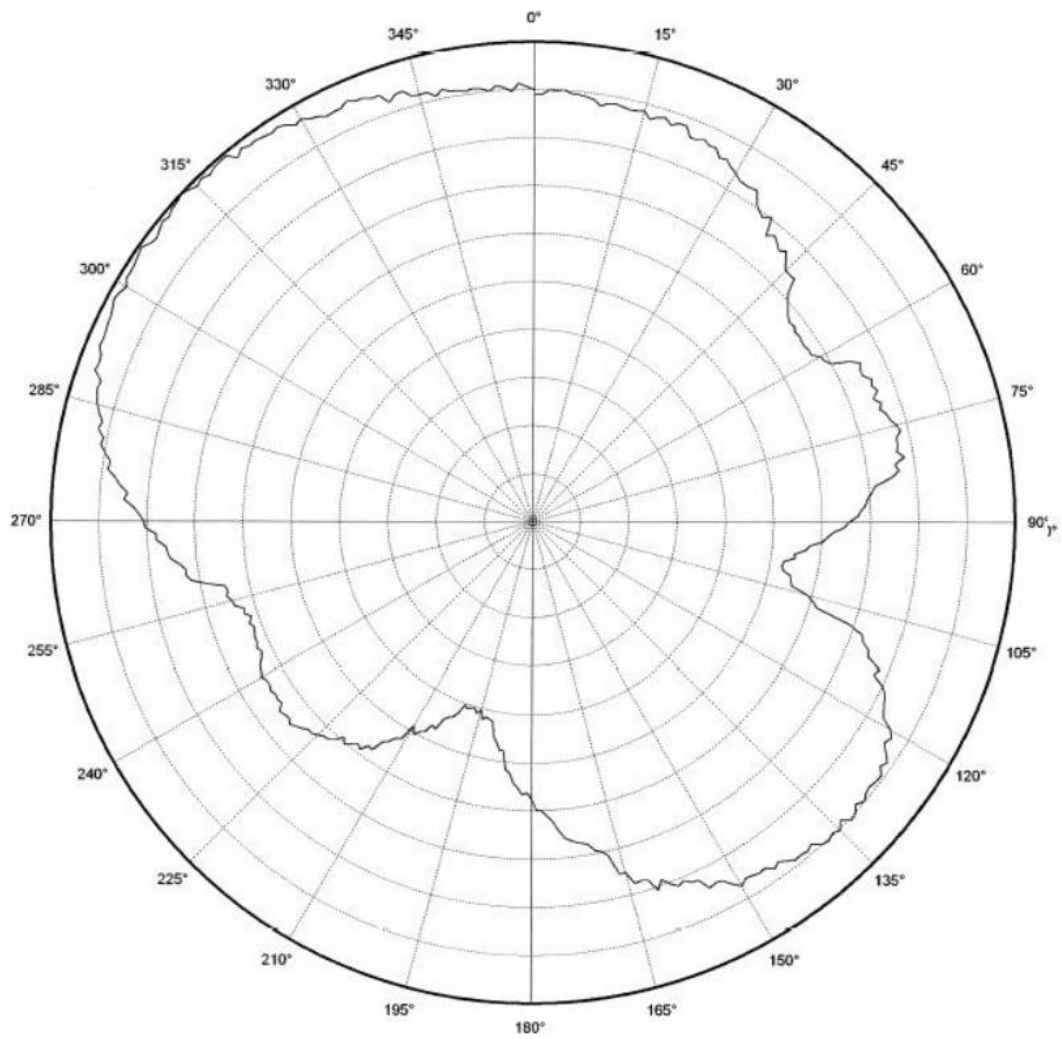
Vertical Polarization

usb YZ

CF 2450.000 MHz

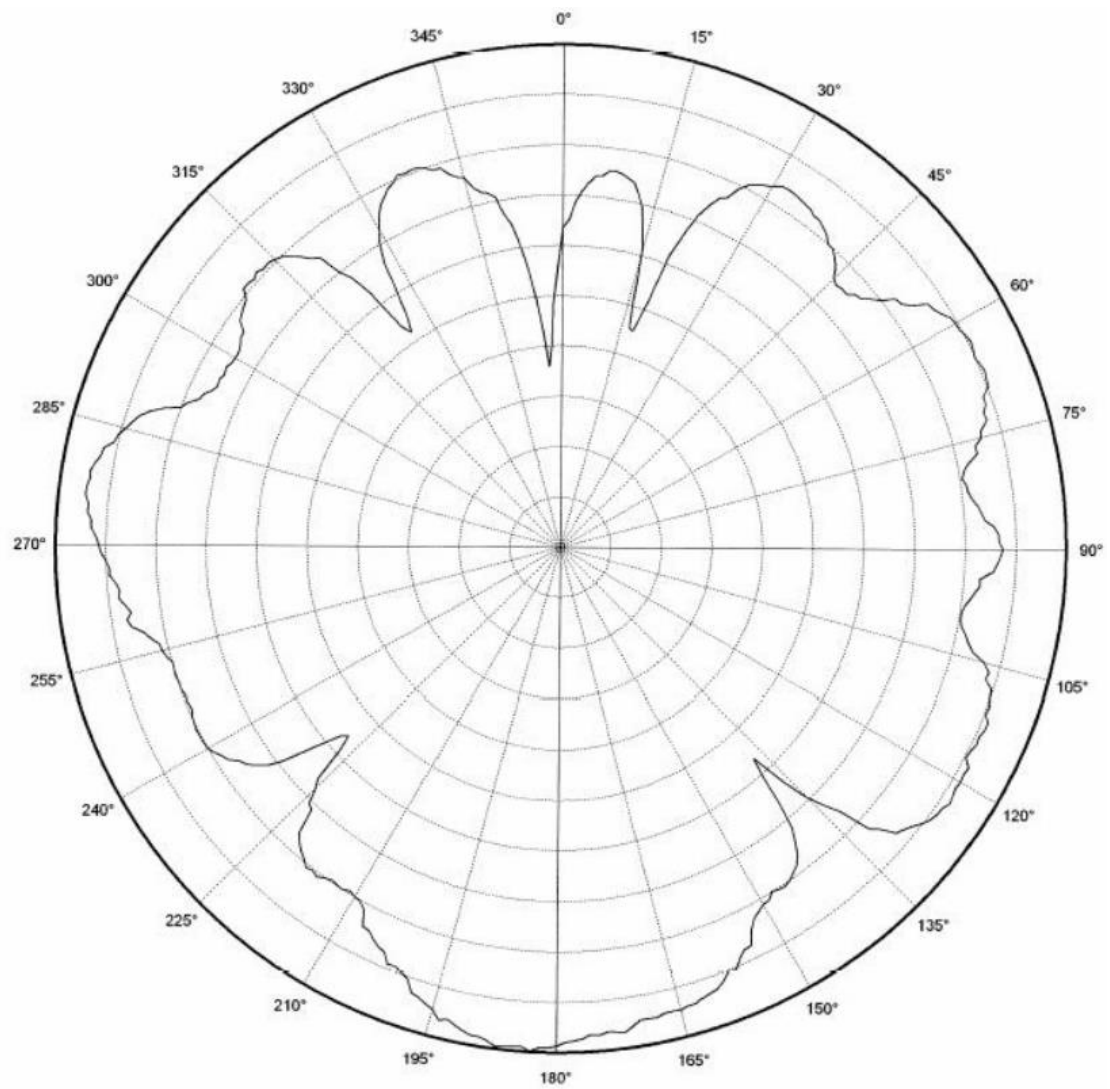
2 dB/ div

Ref Lev: +5.3 dBm



Horizontal Polarization
usb YZ

CF 2450.000 MHz
3 dB/ div
Ref Lev: -1.2 dBm



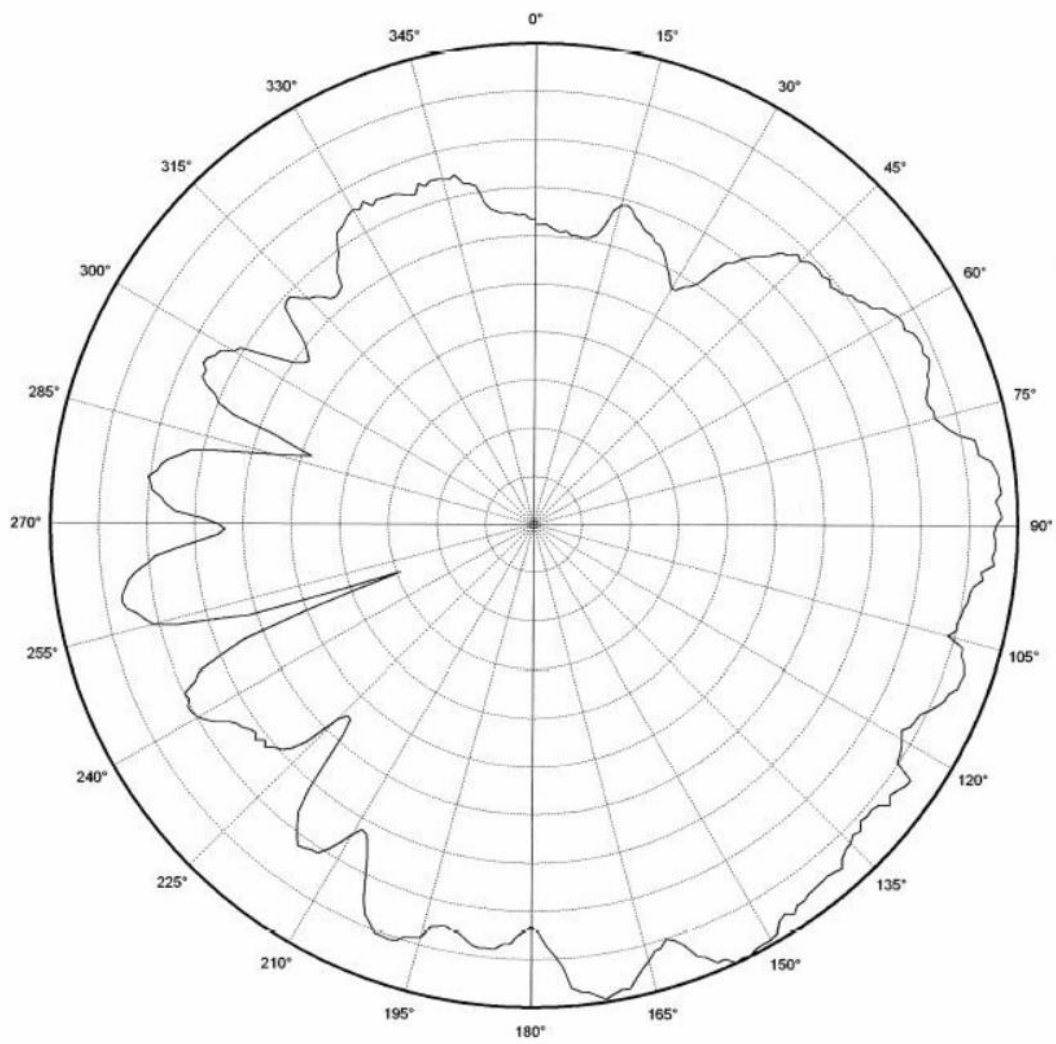
Vertical Polarization

laptop USB XY

CF 2450.000 MHz

5 dB/ div

Ref Lev: ⁻²⁰ dBm



Horizontal Polarization

Laptop USB XY

CF 2450.000 MHz

4 dB/ div

Ref Lev: 3.3 dBm