

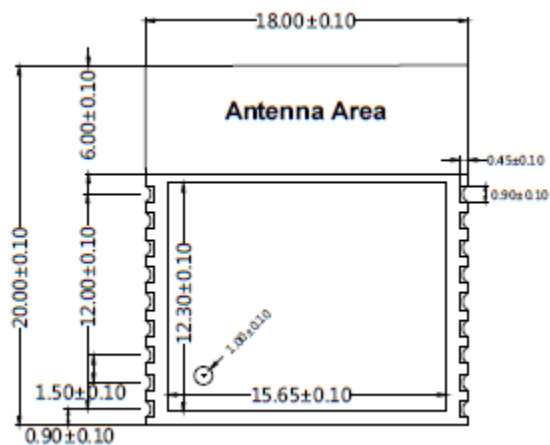
WPP-350 Antenna Report

1. WiFi Antenna

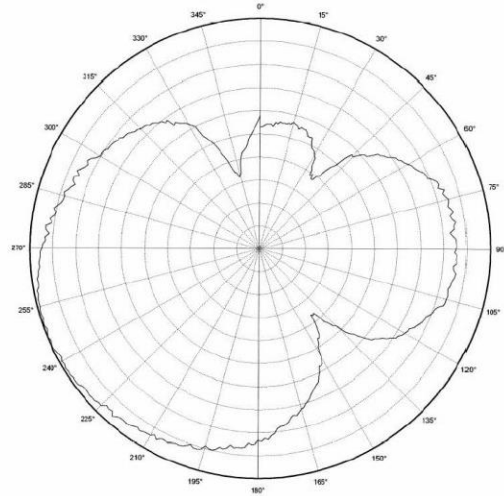
1.1 Specifications

Specifications	
Central Frequency	2450MHz
Transmitting frequency	2400.0MHz-2500.0MHz
Receiver frequency	2400.0MHz-2500.0MHz
Impedance	50 Ohm
Antenna type	PCB
Antenna gain	+2.3 dBi

1.2 Dimensions (Unit: mm)



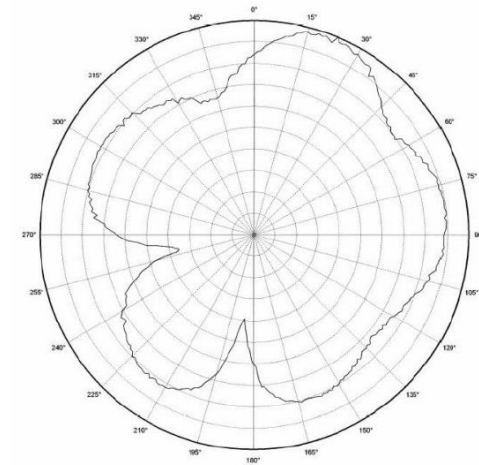
1.3 Directional pattern



Vertical Polarization
usb XY

CF 2450.000 MHz
4 dB/div
Ref Lev: 2.3 dBm

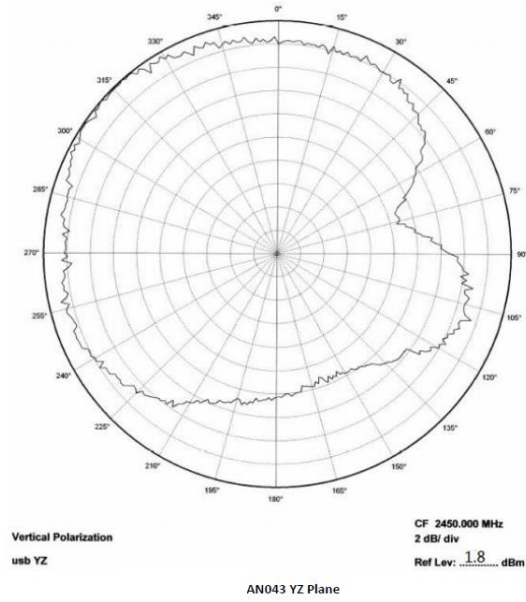
:AN043 XY Plane



Vertical Polarization
usb XZ

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

:AN043 XZ Plane



1.4 Gain

Gain in XY plane	2.3 dBi
Gain in XZ plane	2.2 dBi
Gain in YZ plane	1.8 dBi
Gain in average	2.0 dBi
LOS range	240 m
Antenna size	15.2 x 5.7 mm

WiFi module manufacturer (include antenna) – Espressif Systems