

## CIPHERLAB / CP30

Antenna spec.

Manufacturer: GSM/BT/WLAN: CIPHERLAB

### GSM Antenna

Frequency: 824-894MHz, 880-960MHz, 1710-1880MHz, 1850-1990MHz,  
2110-2170MHz

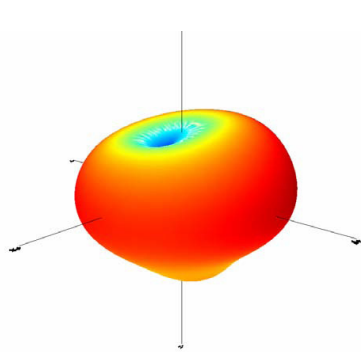
Band: Qual-band, GSM850, EGSM900, DCS1800, PCS1900, WCDMA Band I

Peak gain: -2.90dBi @GSM850, -2.6dBi @GSM900, 1.57 dBi @GSM1800,  
2.17dBi @GSM1900, 2.09Bi @WCDMA Band I,

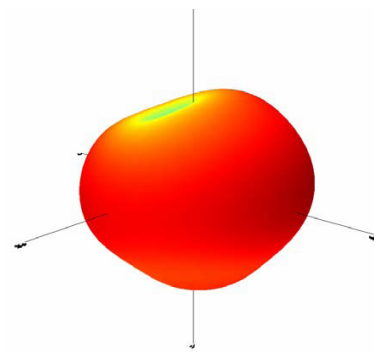
Antenna type: PCB

Antenna drawing: KXRF300000046

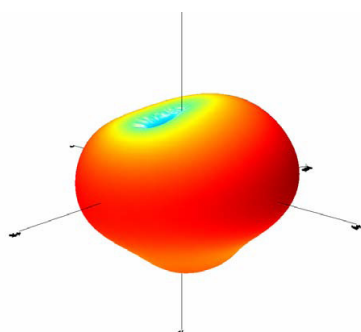
### 3D Radiation Pattern



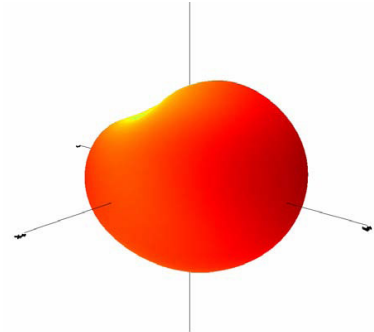
824MHz



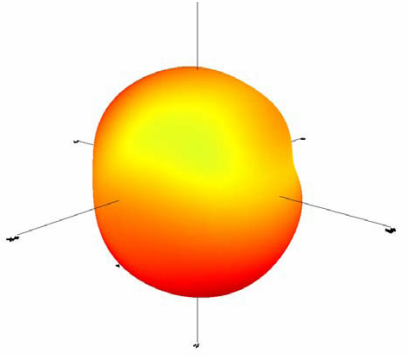
890MHz



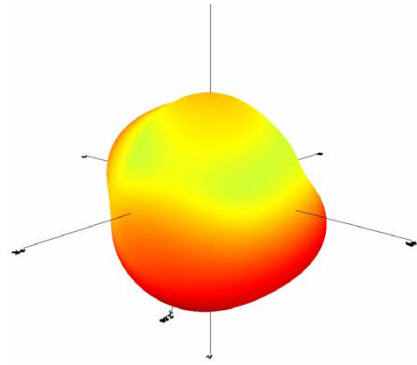
880MHz



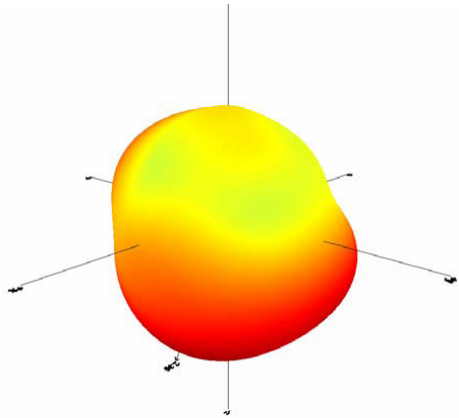
960MHz



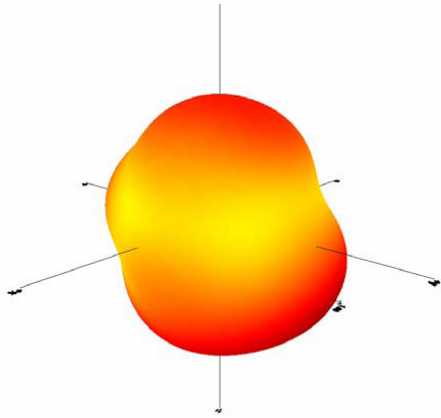
1710MHz



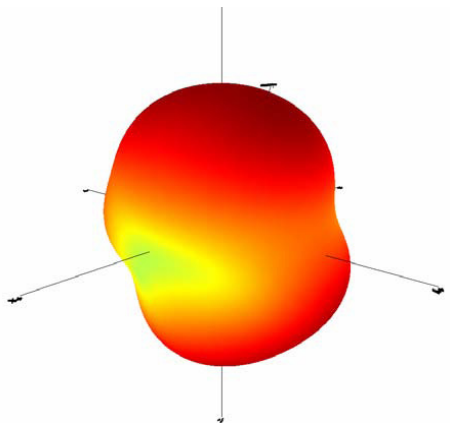
1880MHz



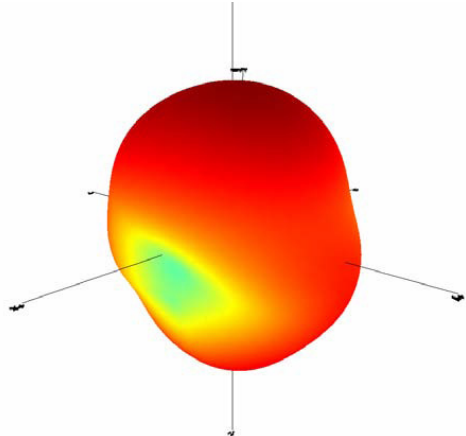
1850MHz



1990MHz



2110MHz



2170MHz

## Bluetooth antenna

Operating frequency : 2400-2484MHz

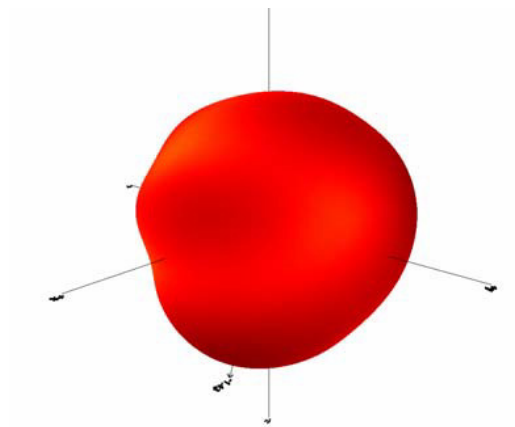
Band: WIFI

Peak gain : 2.87dBi

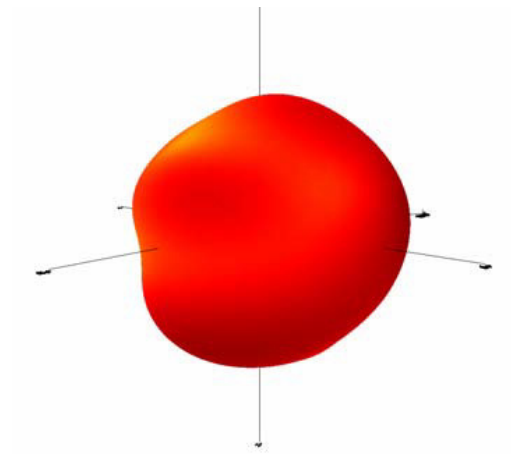
Antenna type : PIFA

Antenna drawing: MCP3000X01502

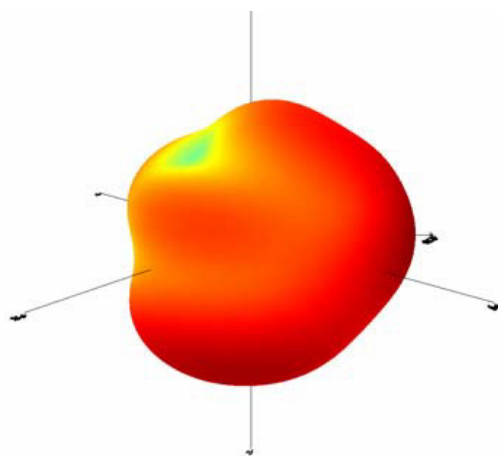
### 3D Radiation Pattern



2400 MHz



2442 MHz



2484 MHz

## WIFI antenna

Operating frequency : 2400-2500MHz

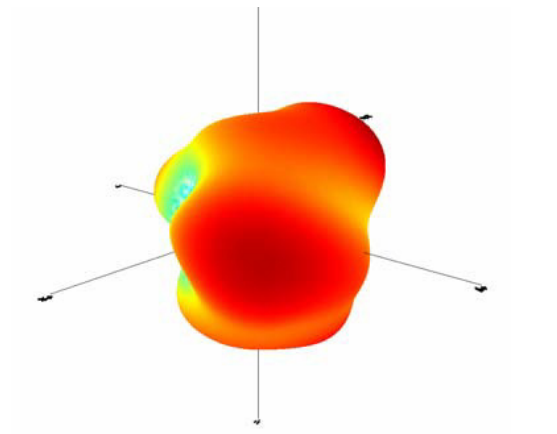
Band: WIFI

Peak gain : 2.87dBi

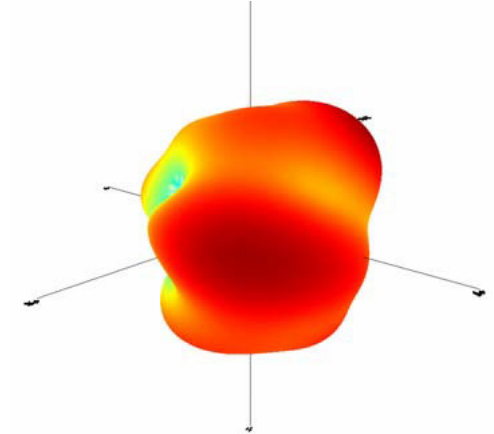
Antenna type : PIFA

Antenna drawing: MCP3000X01502

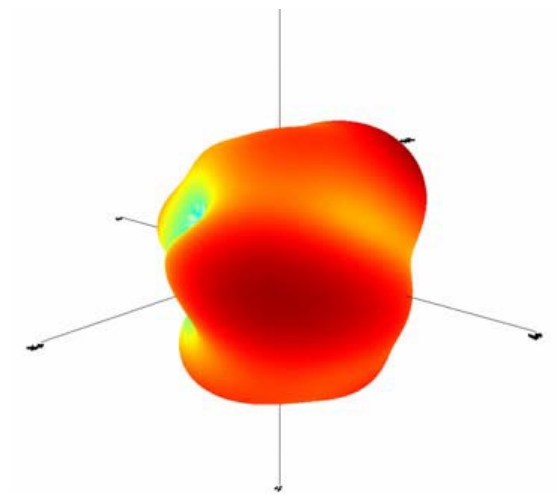
### 3D Radiation Pattern



2400 MHz



2450 MHz



2500 MHz