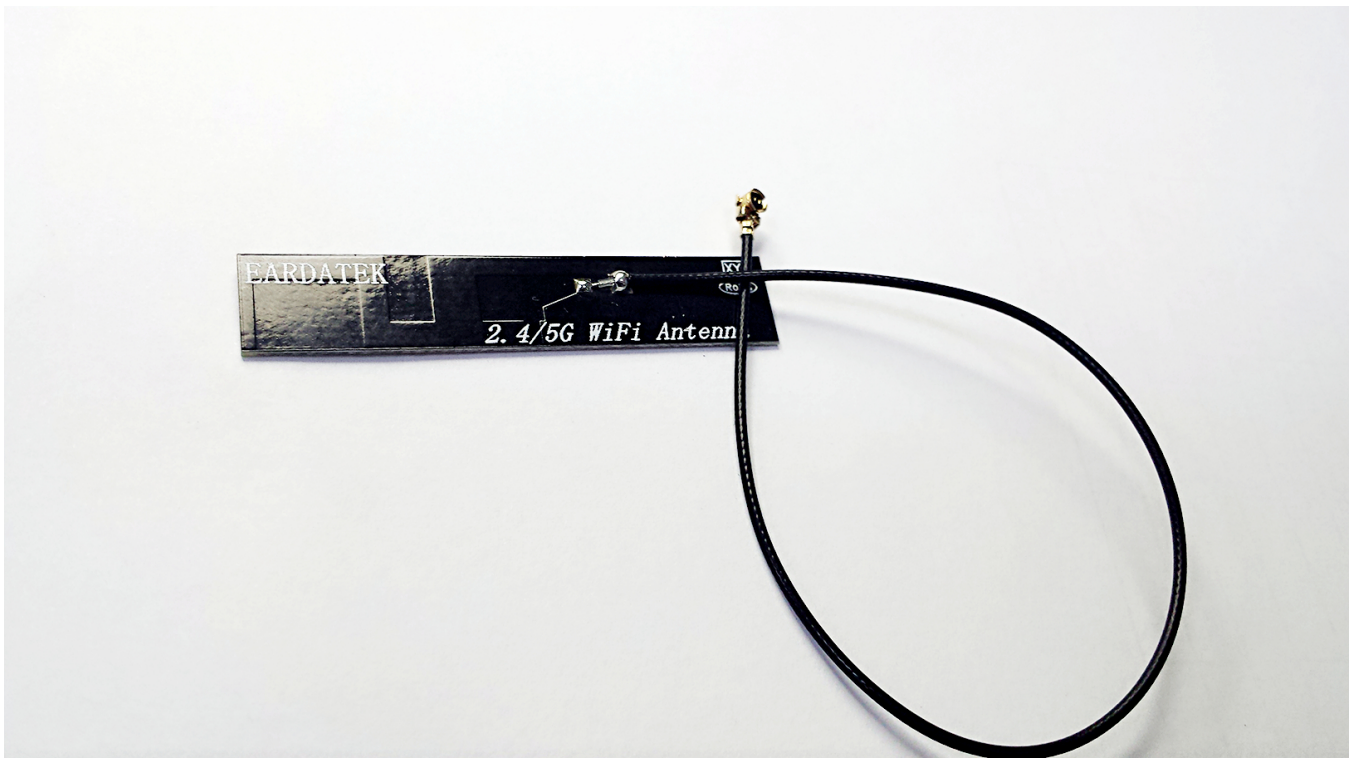




EANT-1710PXA-165
2.4/5G Wi-Fi Antenna
SPECIFICATION



| Version | Release DATE | DSGD | Remark |
|---------|--------------|-------------|---------------|
| A1.0 | 2016.10.31 | Jason Zhang | First Release |

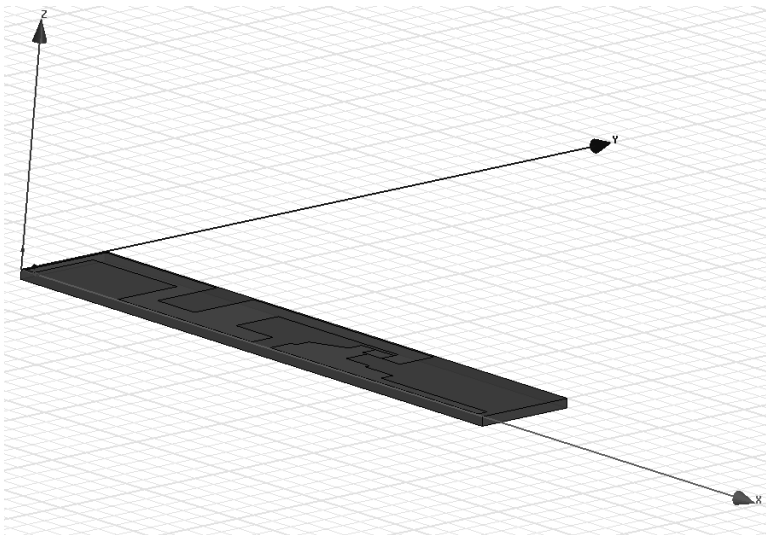
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[1].Electrical Specifications

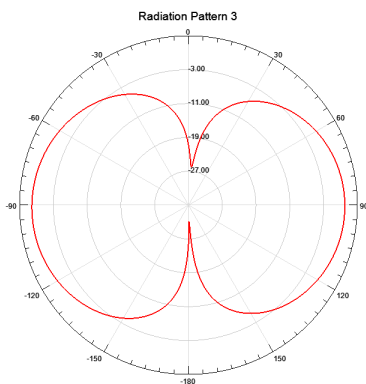
| Antenna PARAMETERS | |
|--------------------|----------------------------------------|
| Frequency Range | 2400MHz -2500MHz & 5000 MHz ~5900G MHz |
| VSWR | <2.0 |
| Impedence | 50 ohm |
| Antenna Gain | 2.4Ghz~2.5Ghz=5dbi, 4.9Ghz~5.9Ghz=6dbi |
| Polarization | Linear |
| Direction | Omnidirectional |

Radiation Pattern

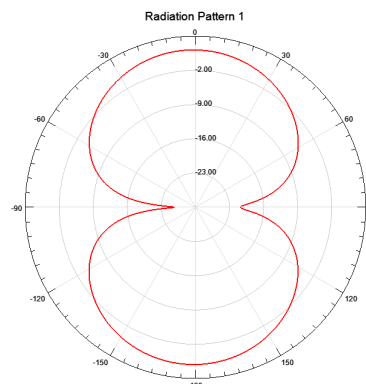


2.4GHz Band

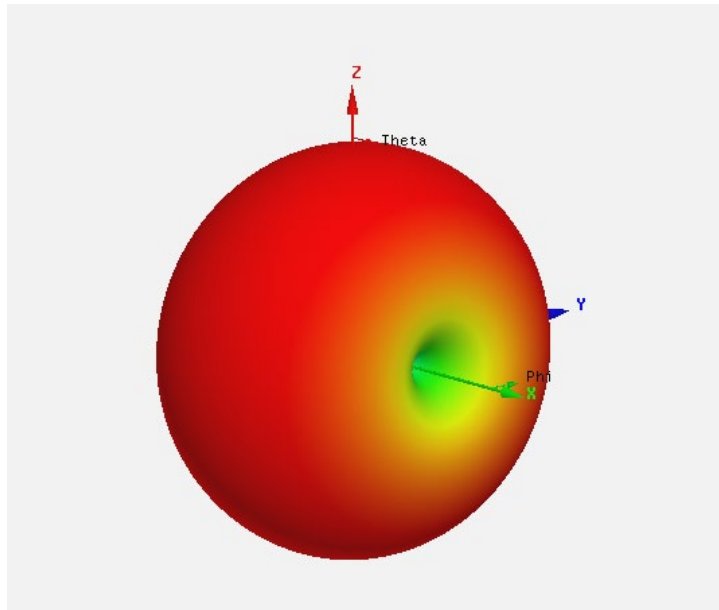
Geometry: xy



Geometry: xz

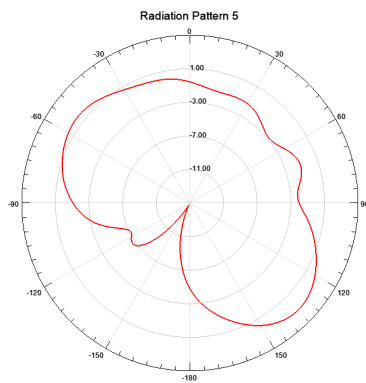


3D Plot

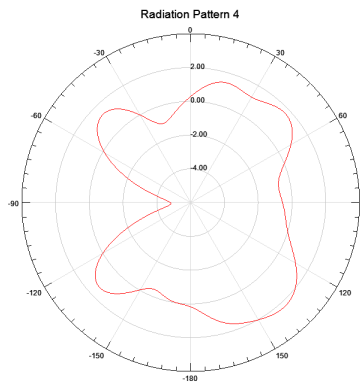


5G Band

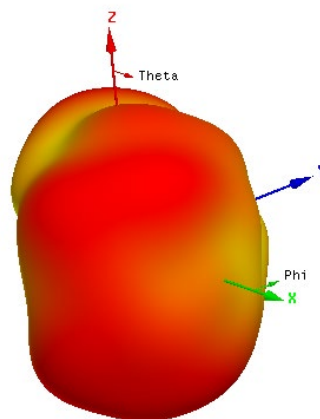
Geometry: xy



Geometry: xz



3D Plot



[2]. MAC Specification

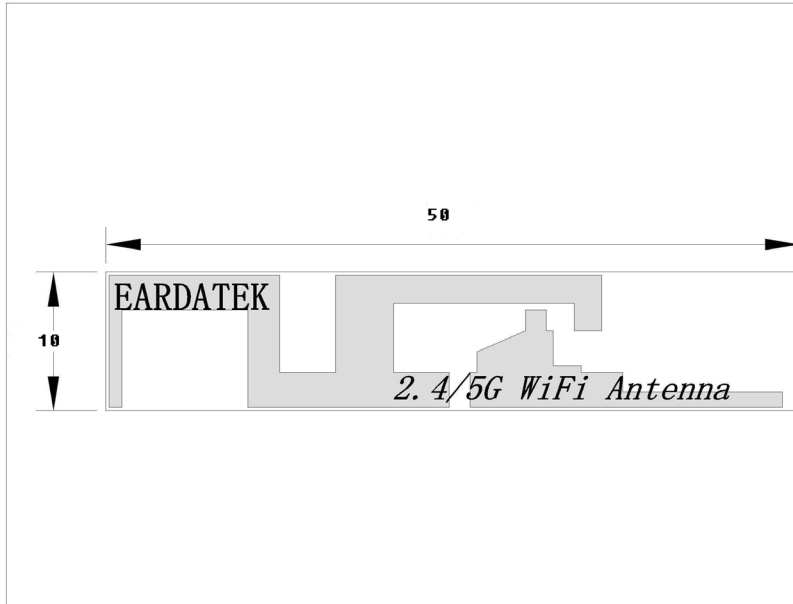
| PHY PARAMETERS | |
|----------------|---------------|
| PCB Dimesion | 50*10*0.8mm |
| RF Connector | IPX Connector |
| RF Cable | R1.13mm |

| Operation Conditions | | | |
|-----------------------|-------------|--------------------|------------------------|
| Operating Temperature | -40°C~+85°C | Operating Humidity | RH 95%(Non-Condensing) |
| Storage Temperature | -40°C~+85°C | Storage Humidity | RH 95%(Non-Condensing) |

| Gain&Efficiency of Ant | | | | | |
|------------------------|------------|----------------|-----------------|------------|----------------|
| 2.4G | | | 5G | | |
| Frequency (MHz) | Gain (dBi) | Efficiency (%) | Frequency (MHz) | Gain (dBi) | Efficiency (%) |
| 2400 | 5 | 52.92 | 5150 | 6 | 51.73 |
| 2410 | 5 | 51.37 | 5200 | 6 | 52.47 |
| 2420 | 5 | 50.98 | 5250 | 6 | 52.49 |
| 2430 | 5 | 51.03 | 5300 | 6 | 52.79 |
| 2440 | 5 | 51.51 | 5350 | 6 | 53.74 |
| 2450 | 5 | 52.2 | 5400 | 6 | 54.54 |
| 2460 | 5 | 53.58 | 5450 | 6 | 54.52 |
| 2470 | 5 | 54.39 | 5500 | 6 | 55.43 |
| 2480 | 5 | 54.65 | 5550 | 6 | 56.05 |
| 2490 | 5 | 55.37 | 5600 | 6 | 56.51 |
| 2500 | 5 | 54.46 | 5650 | 6 | 56.22 |
| | | | 5700 | 6 | 57.12 |
| | | | 5750 | 6 | 56.48 |
| | | | 5800 | 6 | 55.86 |
| | | | 5850 | 6 | 52.59 |

[3]. Dimensions

PCB Dimension: Unit(mm)



RF Cable: Unit(mm)

