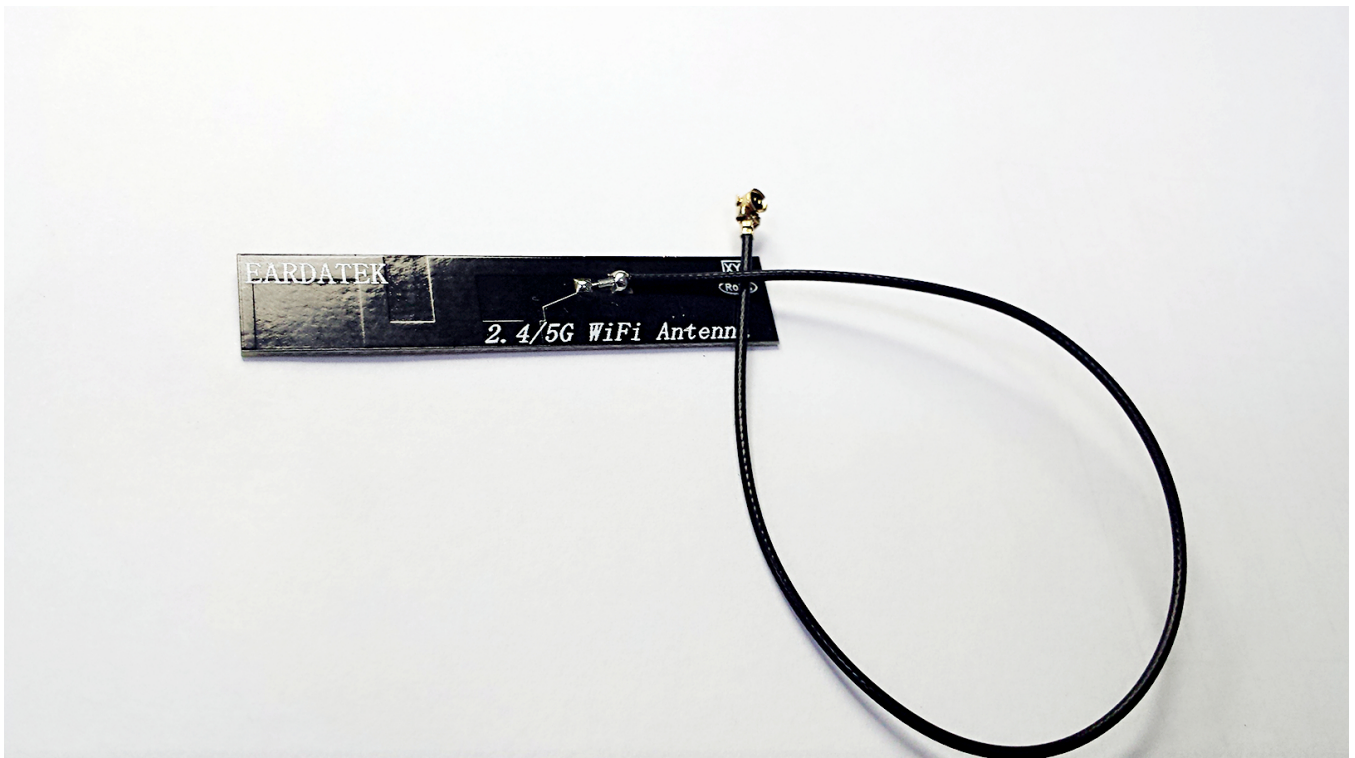




EANT-1710PXA-165
2.4/5G Wi-Fi Antenna
SPECIFICATION



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

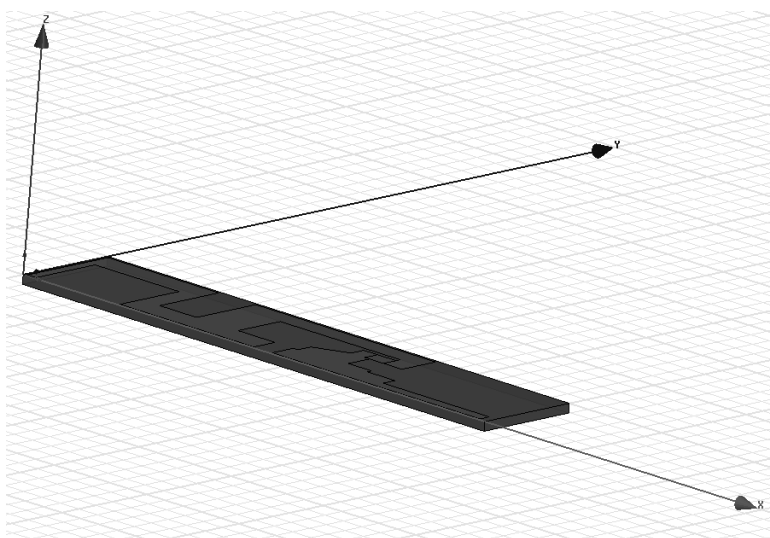
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[1].Electrical Specifications

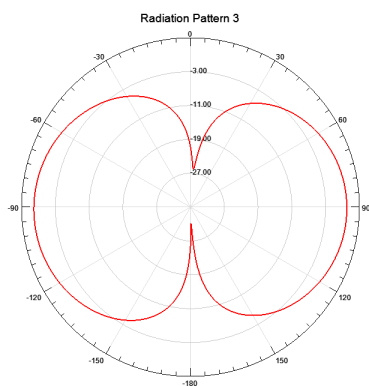
Antenna PARAMETERS	
Frequency Range	2400MHz -2500MHz & 5000 MHz ~5900G MHz
VSWR	<2.0
Impendence	50 ohm
Antenna Gain	2.4Ghz~2.5Ghz=5dbi, 4.9Ghz~5.9Ghz=6dbi
Polarization	Linear
Direction	Omnidirectional

Radiation Pattern

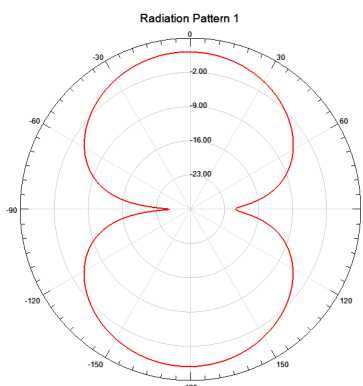


2.4GHz Band

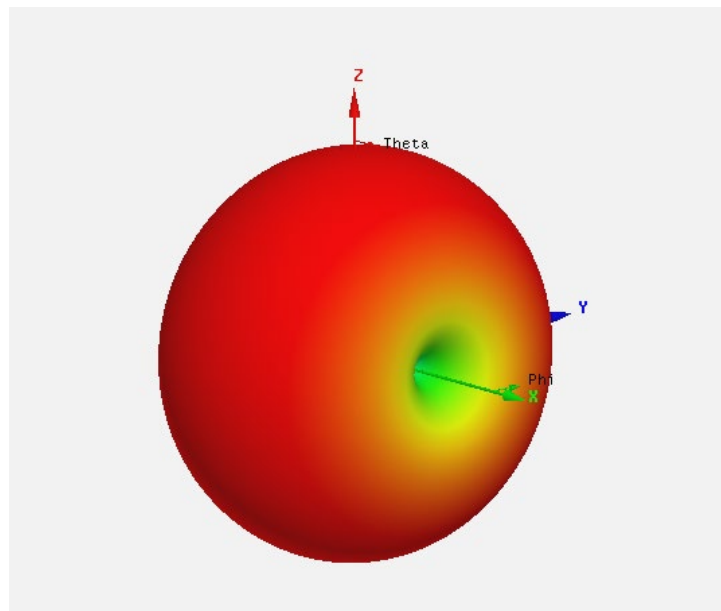
Geometry: xy



Geometry: xz

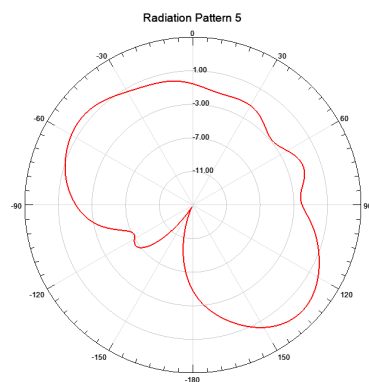


3D Plot

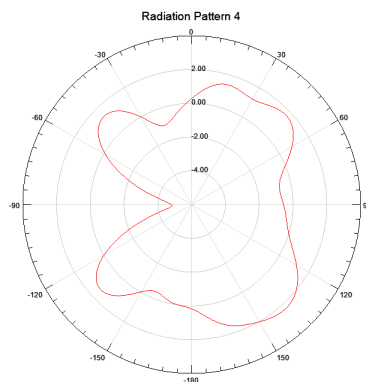


5G Band

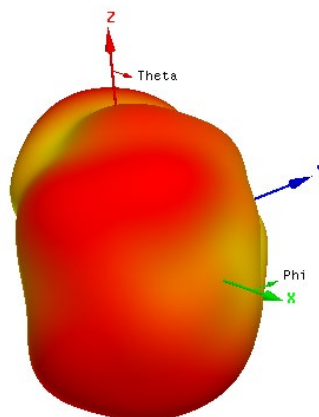
Geometry: xy



Geometry: xz



3D Plot



[2].MAC Specification

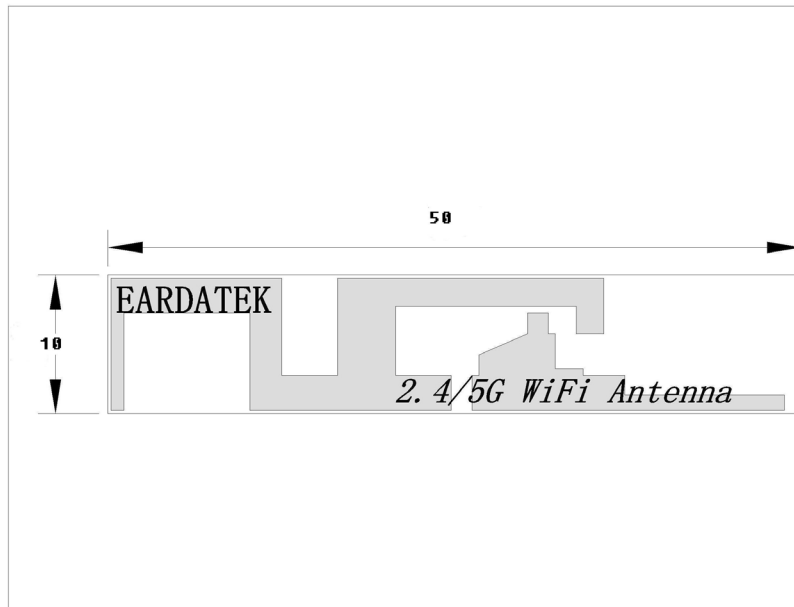
PHY PARAMETERS	
PCB Dimesion	50*10*0.8mm
RF Connector	IPX Connector
RF Cable	R1.13mm

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

