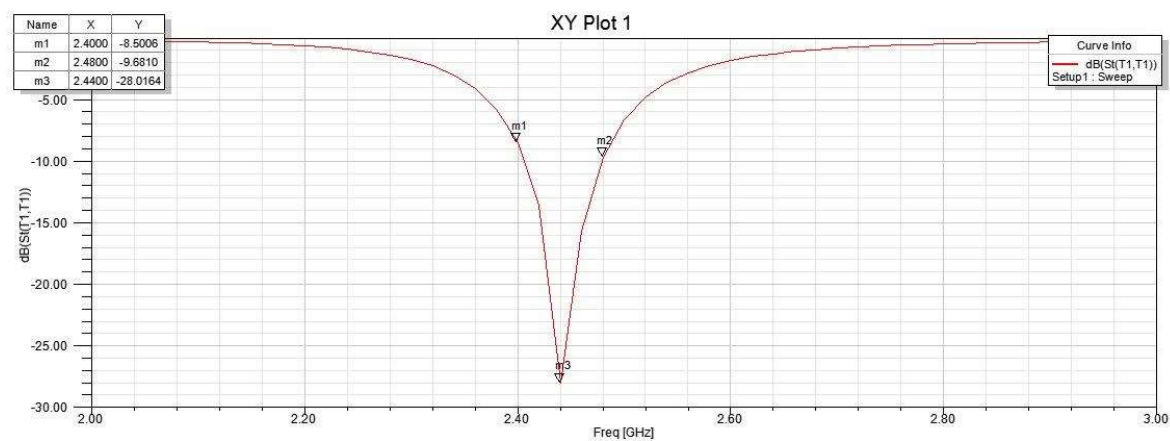


2.4 GHz PCB Antenna Specifications

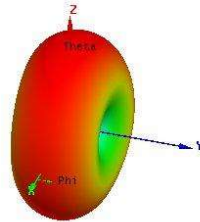
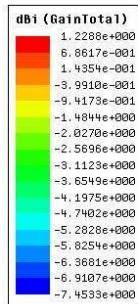
1. Summary

Item	Units	Value
Outline		
Dimension	mm	L=15.5, H=4.5
Frequency Band	MHz	2400~2480
Antenna Type		PCB
Max Gain	dBi	1.2
Input Impedance	Ohm	50
Manufacture		Chuanhui (Haifeng) Circuit Board Co., Ltd.
Trademark		

2. S11

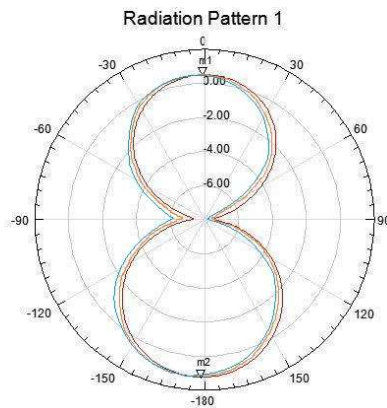


3. Radiation Pattern



Freq	Phi	Ang	dBi
2.40GHz	360.0000	-0.0000	0.5040
2.40GHz	181.0000	-179.0000	1.2235
2.44GHz	360.0000	-0.0000	0.5071
2.44GHz	181.0000	-179.0000	1.2262
2.48GHz	360.0000	-0.0000	0.5012
2.48GHz	181.0000	-179.0000	1.2220

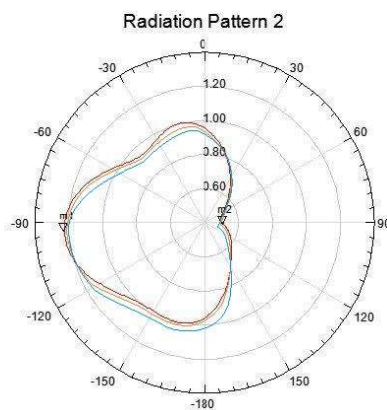
XY_Plane



Curve Info	
	dBi (GainTotal) Setup1: LastAdaptive Freq=2.40GHz Theta=90deg'
	dBi (GainTotal) Setup1: LastAdaptive Freq=2.44GHz Theta=90deg'
	dBi (GainTotal) Setup1: LastAdaptive Freq=2.48GHz Theta=90deg'

Freq	Theta	Ang	dBi
2.40GHz	-93.0000	-93.0000	1.2232
2.40GHz	92.0000	92.0000	0.5092
2.44GHz	-93.0000	-93.0000	1.2257
2.44GHz	92.0000	92.0000	0.5101
2.48GHz	-93.0000	-93.0000	1.2215
2.48GHz	92.0000	92.0000	0.5075

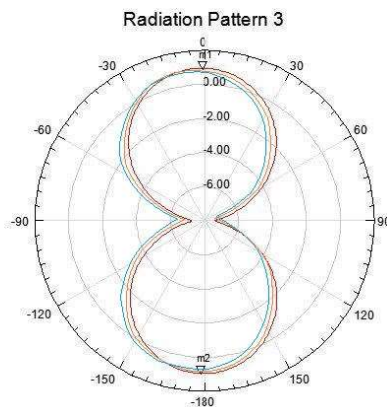
XZ_Plane



Curve Info	
	dBi (GainTotal)
Setup1: LastAdaptive	
Freq=2.40GHz Phi=0deg	
	dBi (GainTotal)
Setup1: LastAdaptive	
Freq=2.44GHz Phi=0deg	
	dBi (GainTotal)
Setup1: LastAdaptive	
Freq=2.48GHz Phi=0deg	

Freq	Theta	Ang	dBi
2.40GHz	0.0000	0.0000	0.9522
2.40GHz	-179.0000	-179.0000	0.9560
2.44GHz	0.0000	0.0000	0.9557
2.44GHz	-179.0000	-179.0000	0.9583
2.48GHz	0.0000	0.0000	0.9513
2.48GHz	-179.0000	-179.0000	0.9541

YZ_Plane



Curve Info	
— dB(GainTotal)	
Setup1: LastAdaptive	
Freq=2.40GHz Phi=90deg	
— dB(GainTotal)	
Setup1: LastAdaptive	
Freq=2.44GHz Phi=90deg	
— dB(GainTotal)	
Setup1: LastAdaptive	
Freq=2.48GHz Phi=90deg	