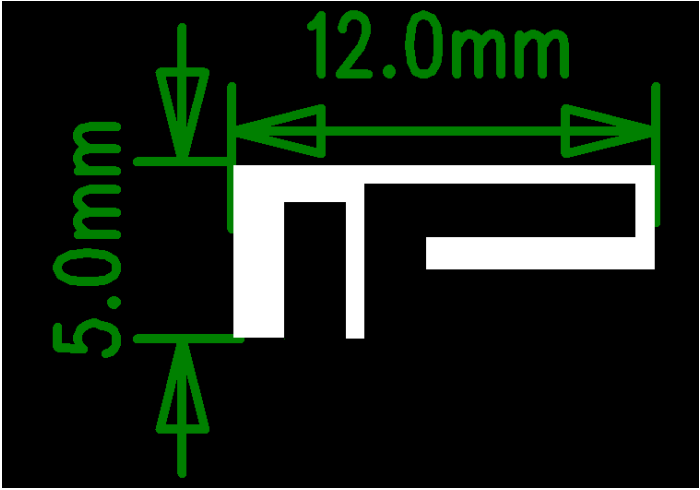
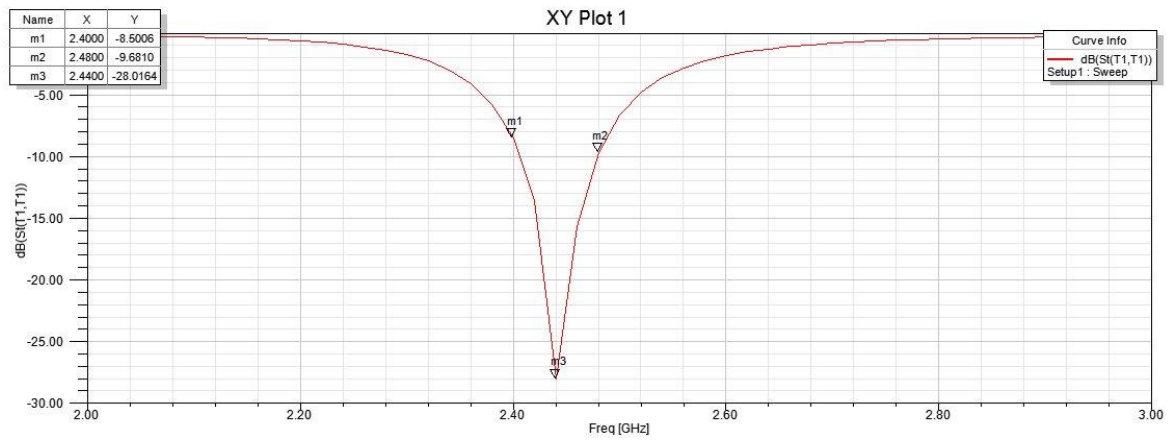


2.4 GHz PCB Antenna Specifications

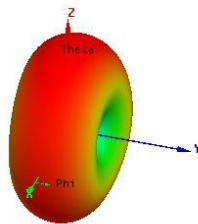
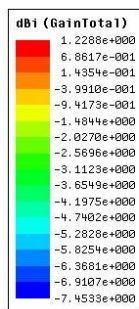
1. Summary

Item	Units	Value
Outline		
Dimension	mm	L=12, H=5
Frequency Band	MHz	2400~2480
Antenna Type		PCB
Model		F
Max Gain	dBi	1.2
Input Impedance	Ohm	50
Manufacture		Dongguan Huatuo Electronic Co. Ltd.
Trademark		

2. S11

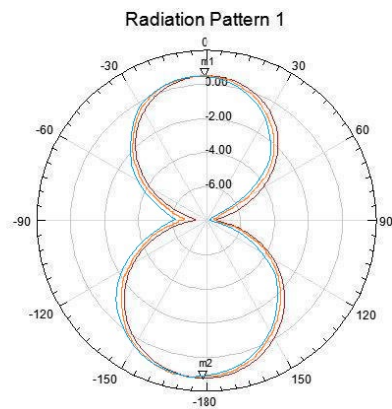


3. Radiation Pattern



Freq	Phi	Ang	dB1
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

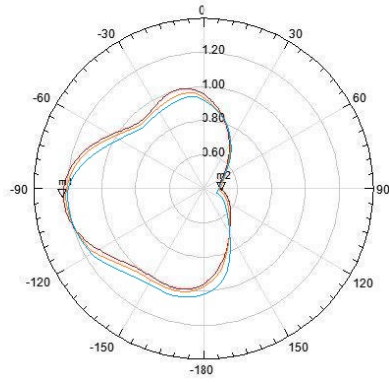


Curve Info
— dB1 (GainTotal)
Setup1: LastAdaptive
Freq=2.40GHz Theta=90deg
— dB1 (GainTotal)
Setup1: LastAdaptive
Freq=2.44GHz Theta=90deg
— dB1 (GainTotal)
Setup1: LastAdaptive
Freq=2.48GHz Theta=90deg

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

Radiation Pattern 2

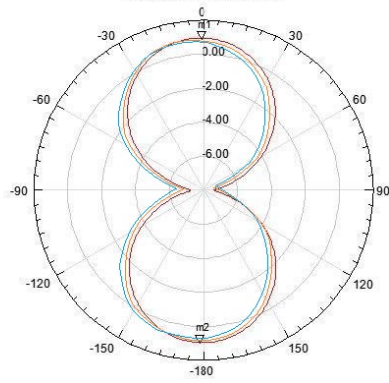


Curve Info	
dBi (GainTotal)	
Setup1 : LastAdaptive	
Freq=2.40GHz' Phi=0deg'	
dBi (GainTotal)	
Setup1 : LastAdaptive	
Freq=2.44GHz' Phi=0deg'	
dBi (GainTotal)	
Setup1 : LastAdaptive	
Freq=2.48GHz' Phi=0deg'	

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

Radiation Pattern 3



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