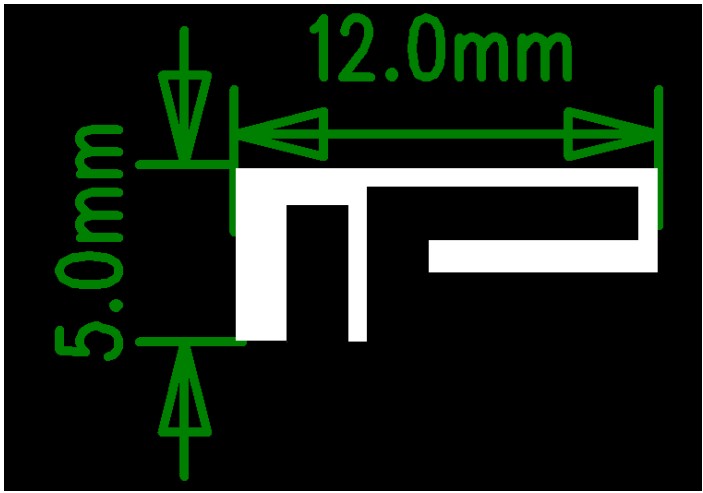
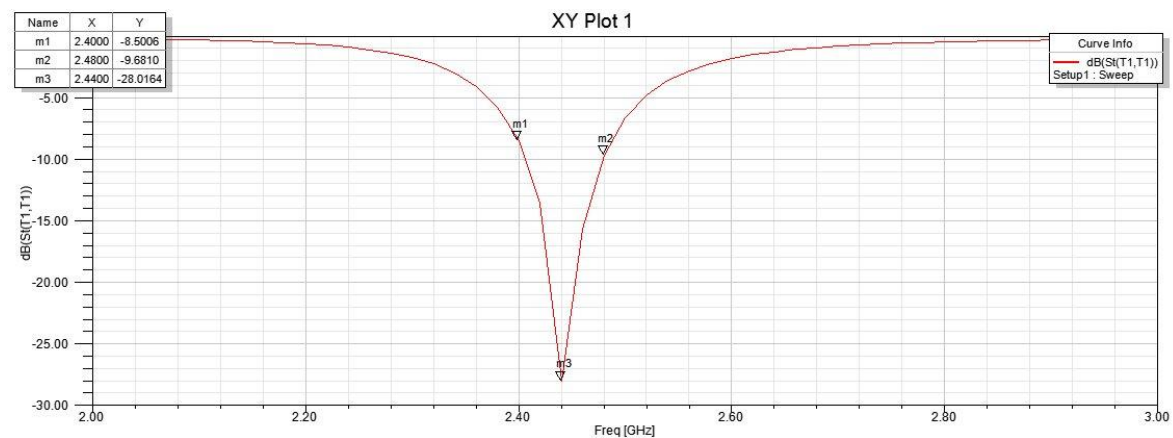


2.4 GHz PCB Antenna Specifications

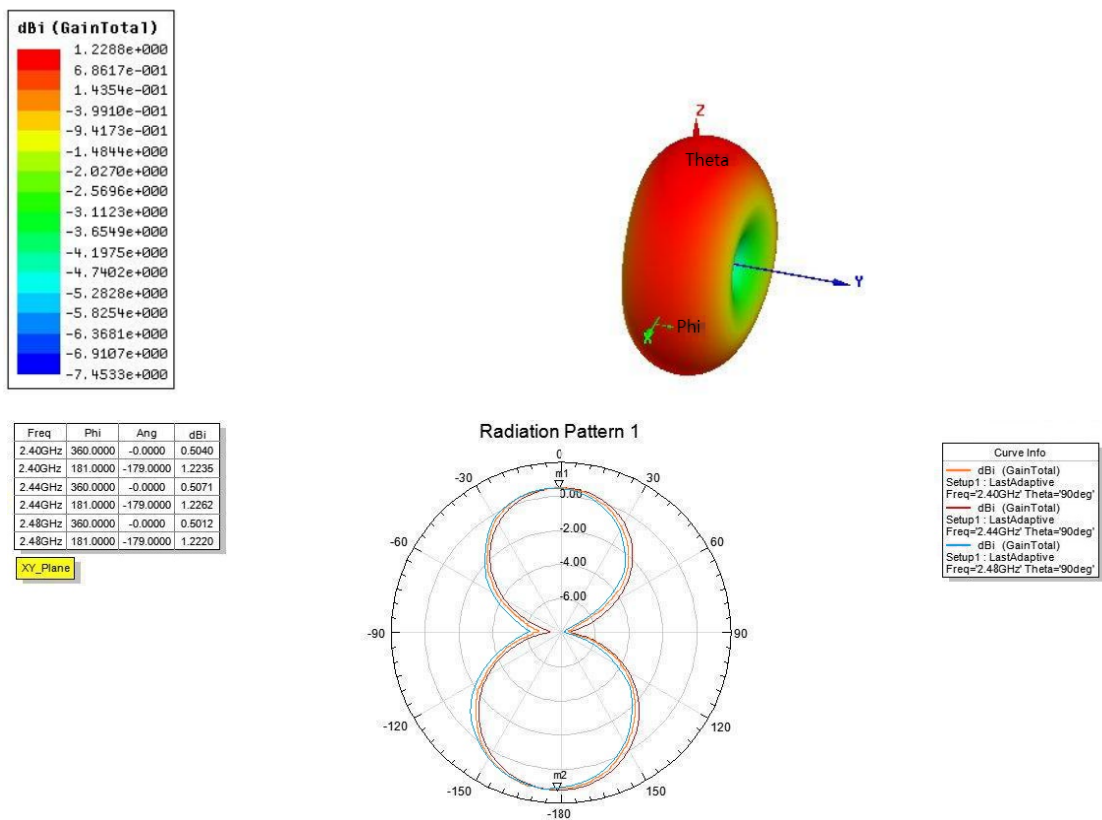
1. Summary

Item	Units	Value
Outline		
Dimension	mm	L=12, H=5
Frequency Band	MHz	2400-2483.5
Antenna Type		PCB
Model		F
Max Gain	dBi	1.2
Input Impedance	Ohm	50
Manufacture		Dongguan Huatuo Electronic Co. Ltd.
Address		Room 205, No. 23, Nanjiang Road, Humen Town, Dongguan City, Guangdong Province
Trademark		

2. S11



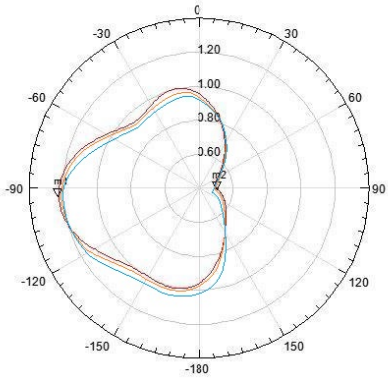
3. Radiation Pattern



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

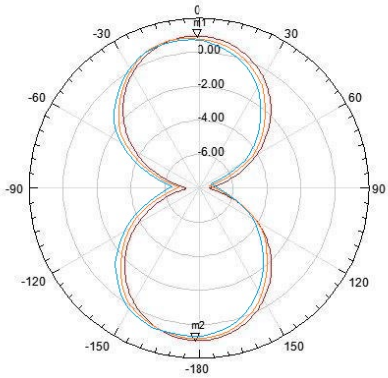


Curve Info	
dB((GainTotal))	Setup1: LastAdaptive
Freq=2.40GHz Phi=0deg	
dB((GainTotal))	Setup1: LastAdaptive
Freq=2.44GHz Phi=0deg	
dB((GainTotal))	Setup1: LastAdaptive
Freq=2.48GHz Phi=0deg	

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	
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	