

Applicant: Dongguan hewei sheng Technology Co., Ltd

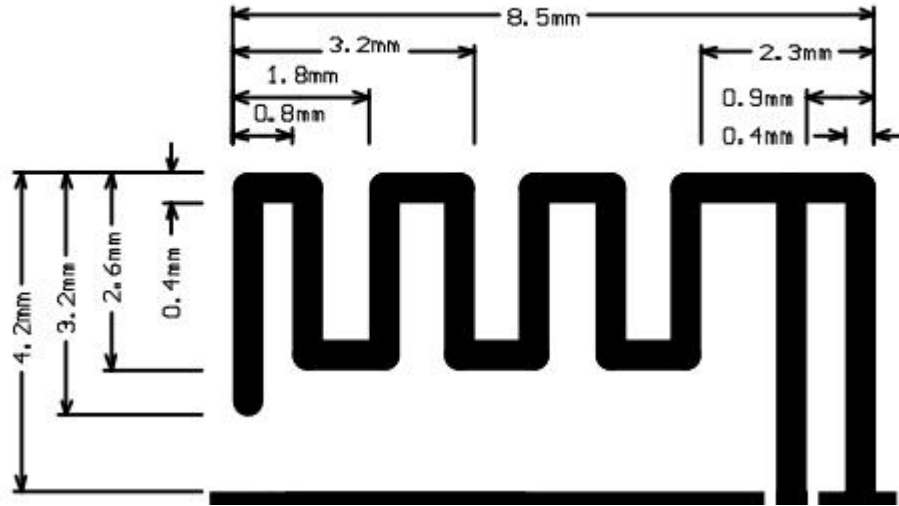
Address: Room 201, Building 4, No. 2, Minxin Road, Dalingshan Town, Dongguan, China
Model: TY05

- ZZLC PCB antenna design specification:

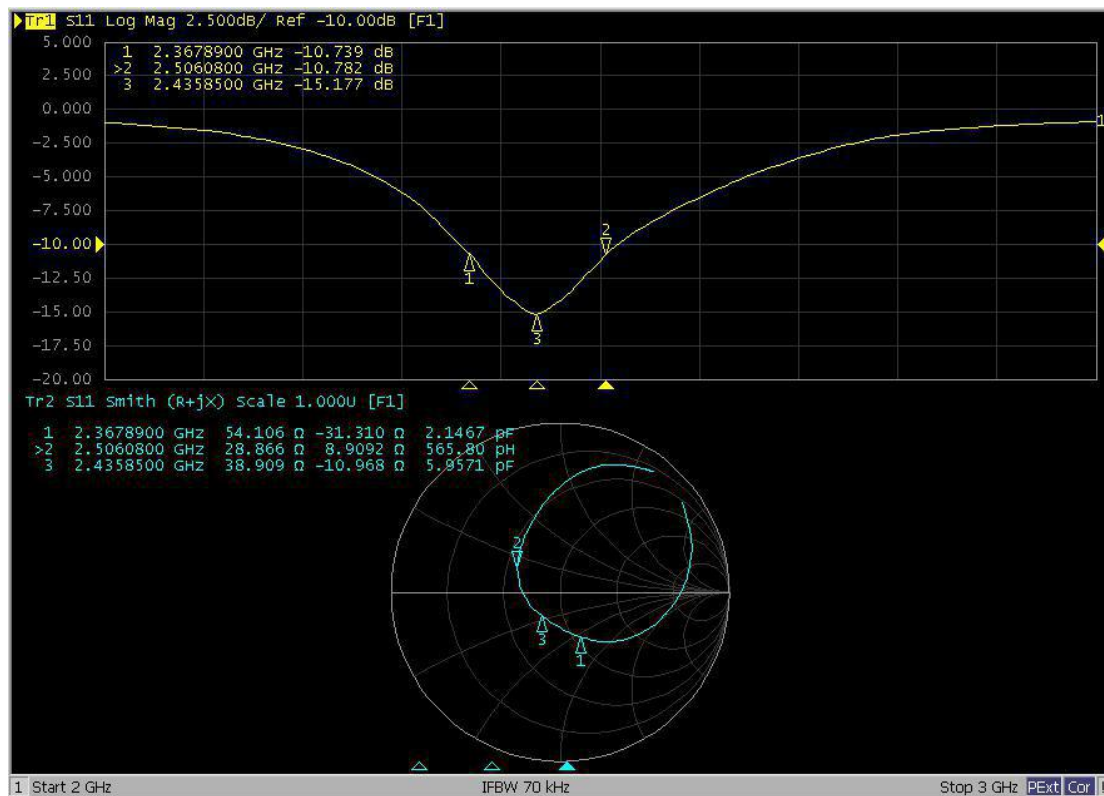
This PCB antenna is used in HW-

B01 modules with whole layout board which size is 4.2mm*8.

5mm and thickness is 0.4mm (FR4)

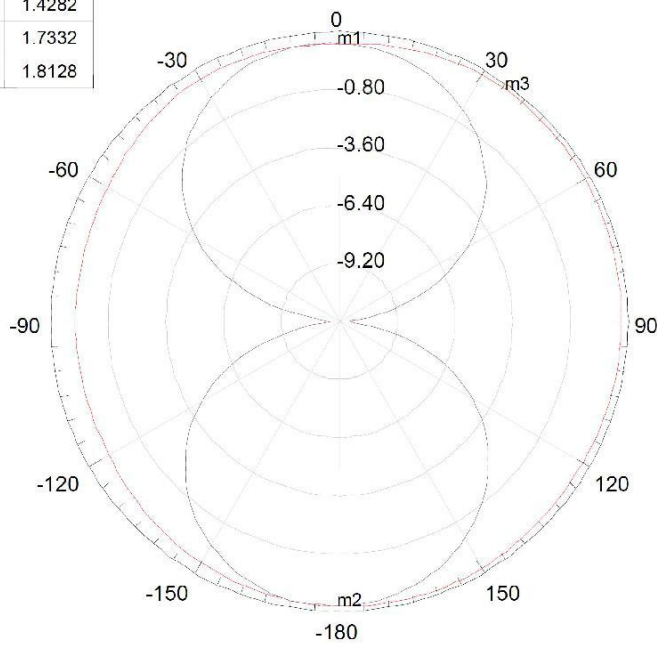


The performance of S11 HW-B01 as below show and the working frequency band cover 2.4G ISM and bandwidth is wider than normal antenna.

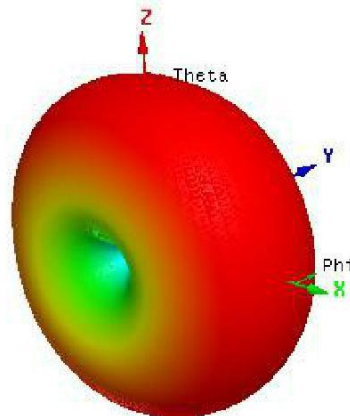
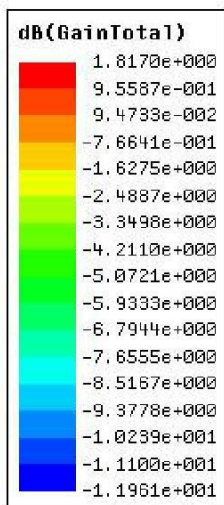


The gain of this antenna 2D and 3D as blow show and the maximum gain is about 1.5dB.

Name	Theta	Ang	Mag
m1	0.0000	0.0000	1.4282
m2	180.0000	180.0000	1.7332
m3	36.0000	36.0000	1.8128



Curve Info	
—	dB(GainTotal)
Setup1 : Sweep1	Phi='0deg'
—	dB(GainTotal)
Setup1 : Sweep1	Phi='90.0000000000002deg'



Radiation Patterns(GAIN @ 2440MHz)

Plane	XY			XZ			YZ		
	2400	2440	2480	2400	2440	2480	2400	2440	2480
Peak Gain(dBi)	1.70	1.73	1.71	1.79	1.81	1.78	1.71	1.73	1.72

The Environment of Antenna Radiation Pattern

