Bluetooth antenna specification

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ShenZhen Feasycom Technology Co.,Ltd

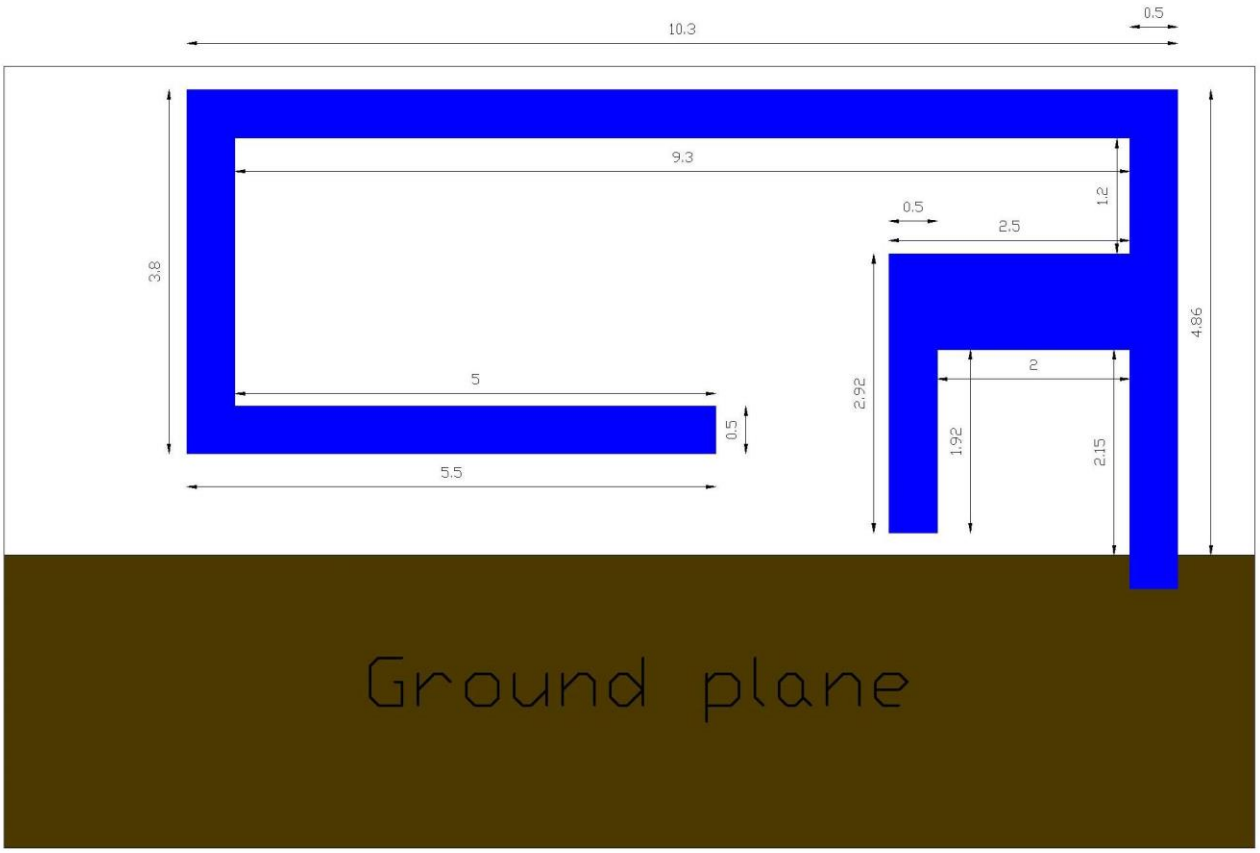
Telephone: 86-755-27924639

www.feasycom.com

Room 508, Building A, Fenghuang Zhigu, No.50, Tiezai Road, Xixiang Street, Baoan District, Shenzhen

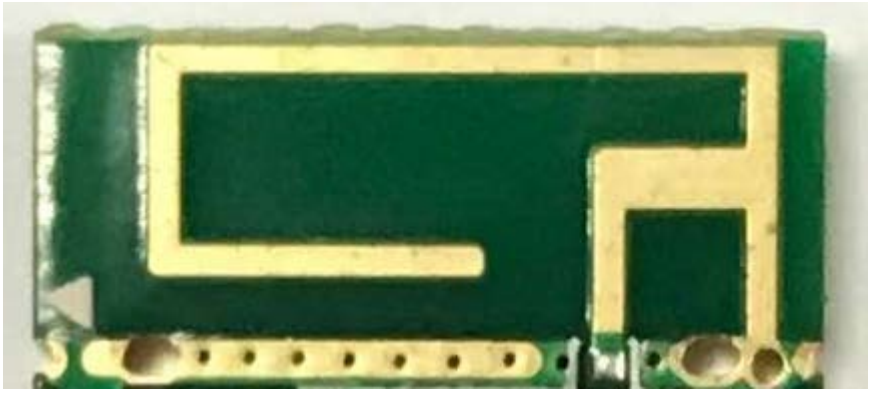
2，Spec Drawing

Unit：mm



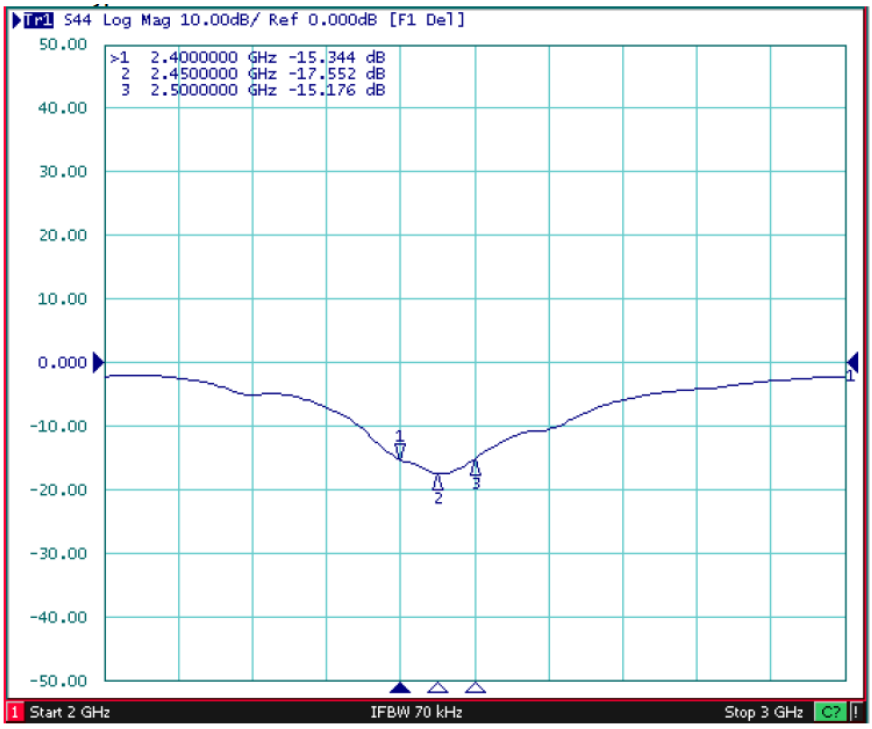
3，Specification

Product Number: 2.4GHZ FPC antenna
Sample Photo:



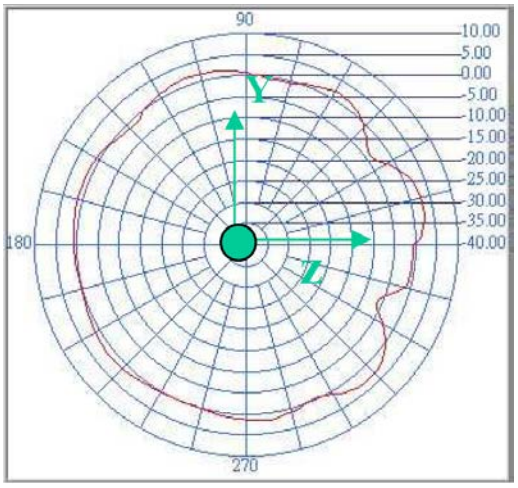
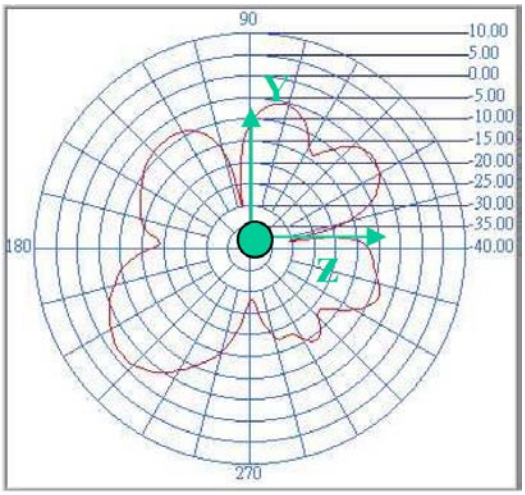
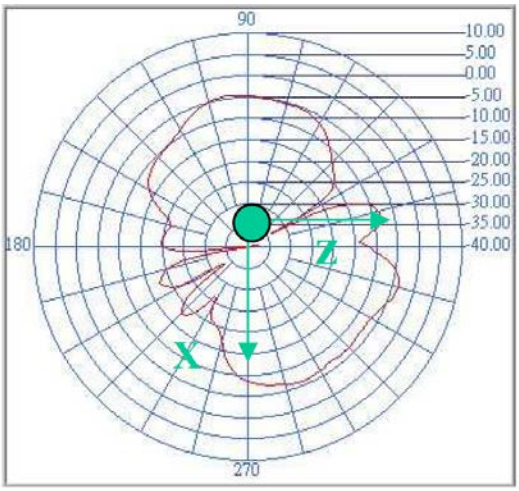
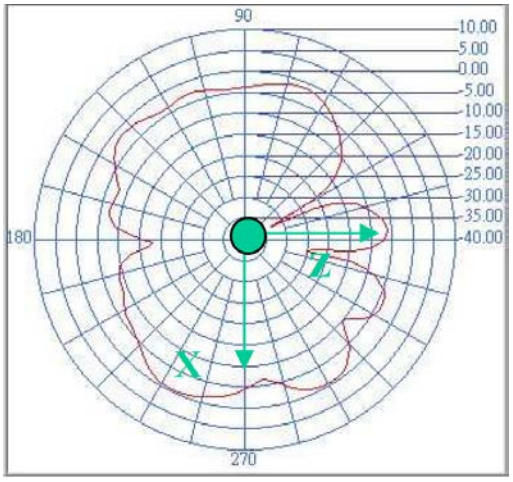
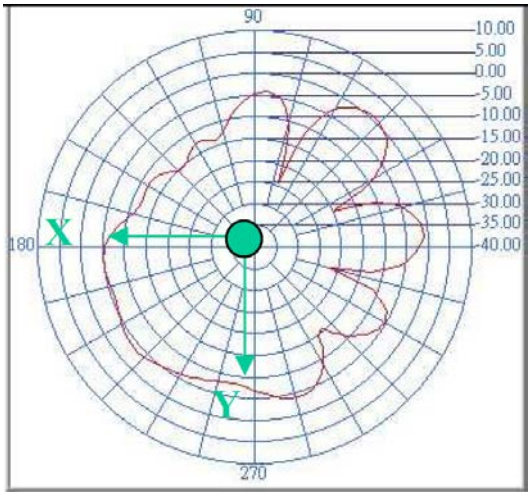
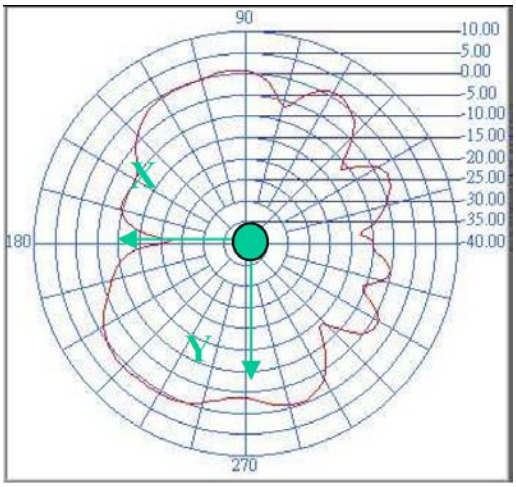
A. Electrical Characteristics	
Frequency	2400 ~ 2500 MHz
S.W.R.	<=2.0
Gain	2.0 dBi
Efficiency	~ 40%
Polarization	Linear
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	copper
C. Environmental	
Operation Temperature	- 40℃ ~ + 85℃
Storage Temperature	- 40℃ ~ + 105℃

4, Return Loss



5, Radiation Pattern

Radiation Pattern and Gain were dependent on measurement board design. The specification of coil antenna was measur ed based on the PCB size.

	Vertical	Horizontal
Y - Z Plane Average Gain=1.86 dBi		
	Peak Gain = 1.98 dBi Average Gain = 0.71 dBi	Peak Gain= -1.37 dBi Average Gain= - 4.6 dBi
X - Z Plane Average Gain=-2.91dBi		
	Peak Gain= -3.76 dBi Average Gain= -8.72dBi	Peak Gain= -0.25 dBi Average Gain= -4.24 dBi
X - Y Plane Average Gain=-0.95 dBi		
	Peak Gain= 0.76 dBi Average Gain= -5.81dBi	Peak Gain= 1.37 dBi Average Gain= -2.67 dBi