

C1-Antenna Information

Information		
1	Product name:	C1
2	Ver:	1.0
3	Frequency Range:	2.4-2.5GHZ
4	Manufacture Company	Jiangxi Mingcheng Electronic Technology Co., Ltd
5	Manufacture Add:	Building 7, Heying Industrial Park, No. 20 Shuangxiu Road, Jizhou District, Ji'an City, Jiangxi Province
6	Antena Type:	PCB Board
7	Antena Size:	11.3*3.2*0.45±0.1mm

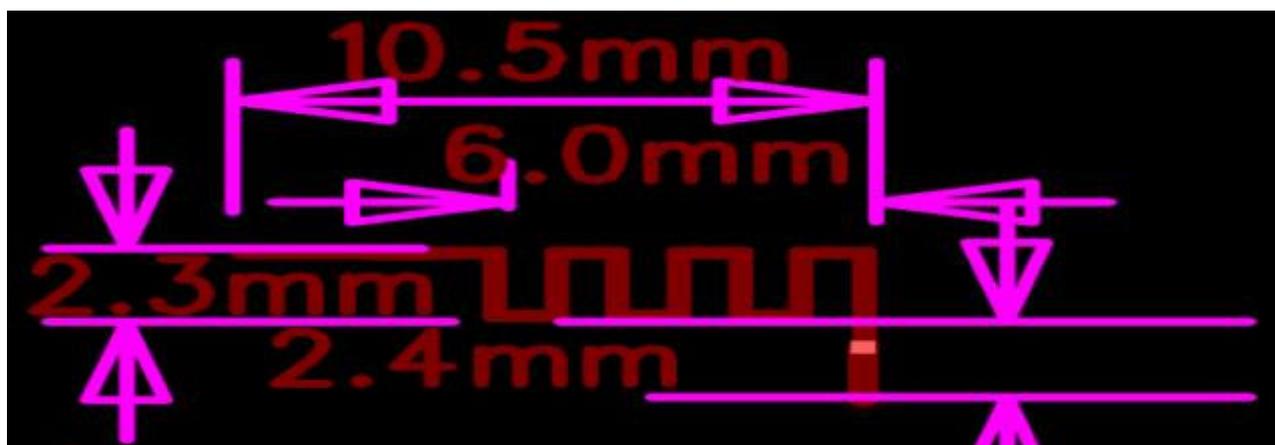
Product specification

Quick Reference Date

	Antenna module on the system board	
Frequenc Range	2400 ~ 2500MHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr - loss pwr)	
Peak EIRP(dBm)	1.2	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	6 0.2 %	
Gain (dBi)	1.9 (Avg Gain XY-plane)	
Maximum Power (dBm)	1.7 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Input Impedence(ohm)	50	
Polarization Type	V ertical & Horizontal	
V . S .W .R	< 1.4	

All the technical data and information contained herein are subject to change without prior notice

Antenna Layout & module on the system board



Antenna Gain

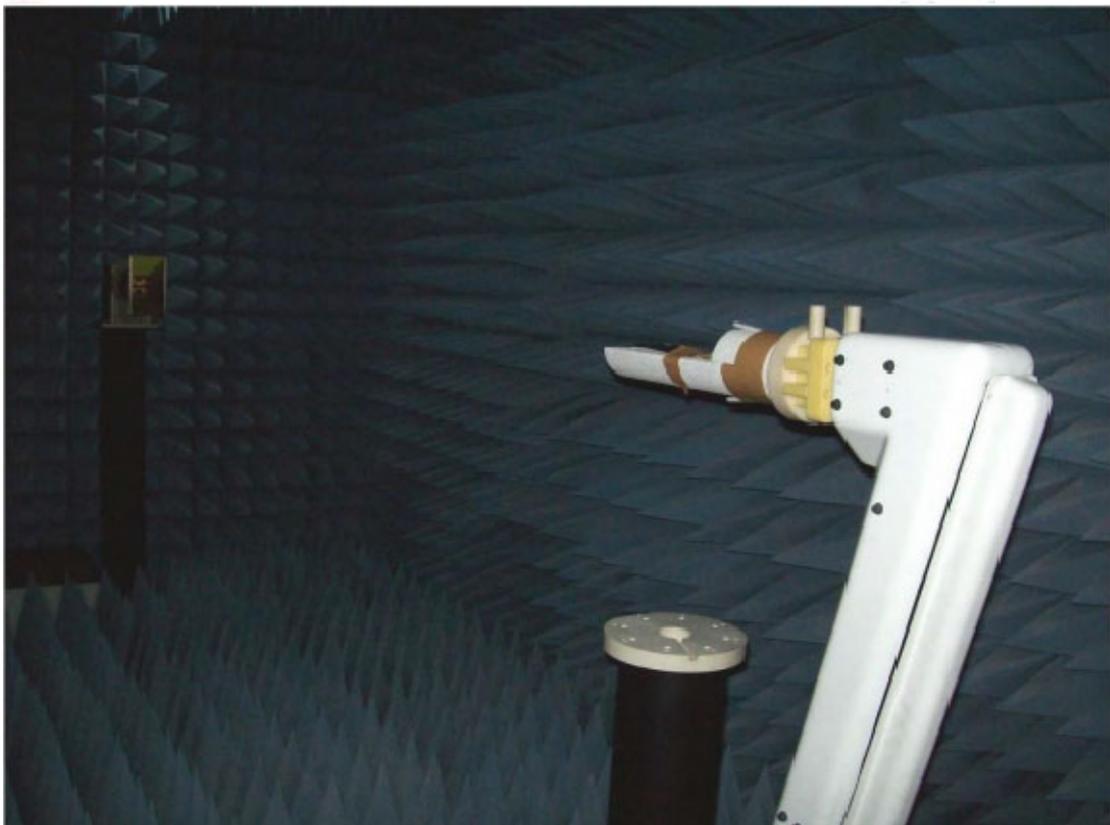
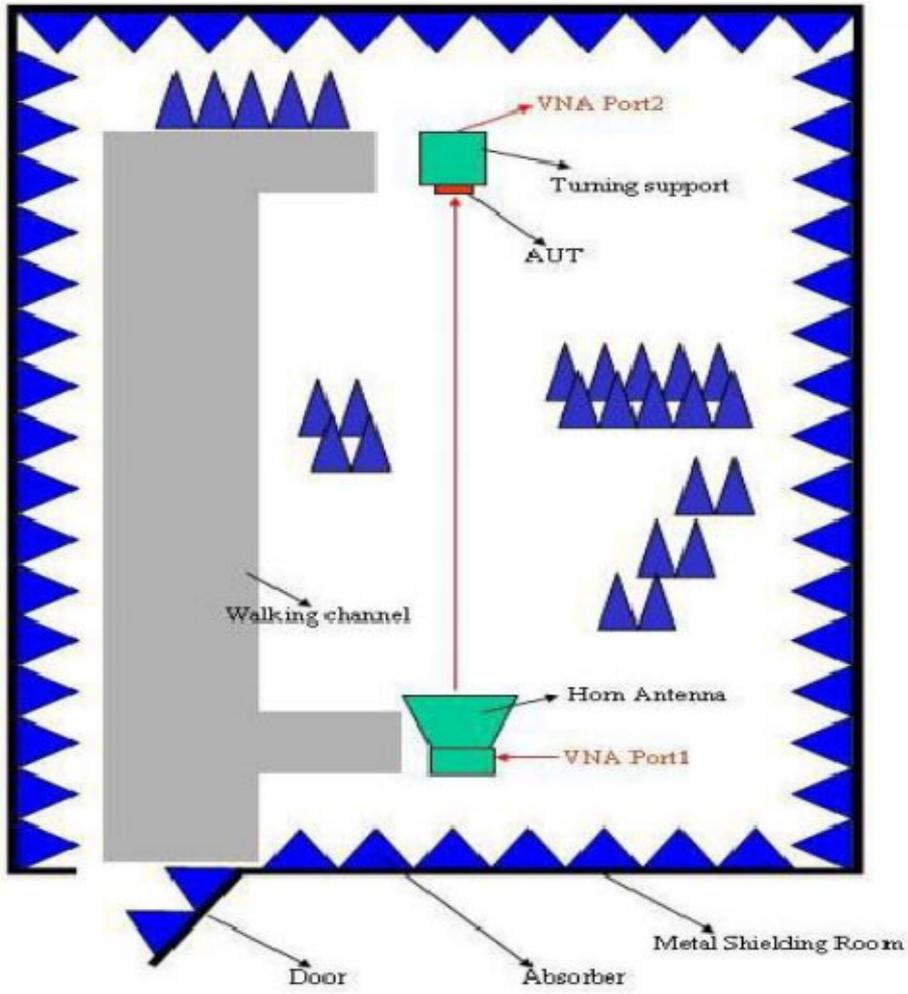
Gain Table

Item	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Unit in dBi @2.400GHz	1.2	-0.5	1.9	-3.8	1.7	-3.0	6 0.2 %
Unit in dBi @2.450GHz	1.1	-0.3	1.45	-2.6	1.5	-3.0	6 0.2 %
Unit in dBi @2.500GHz	1.8	0.5	1.75	-1.6	1.4	-3.0	6 0.2 %

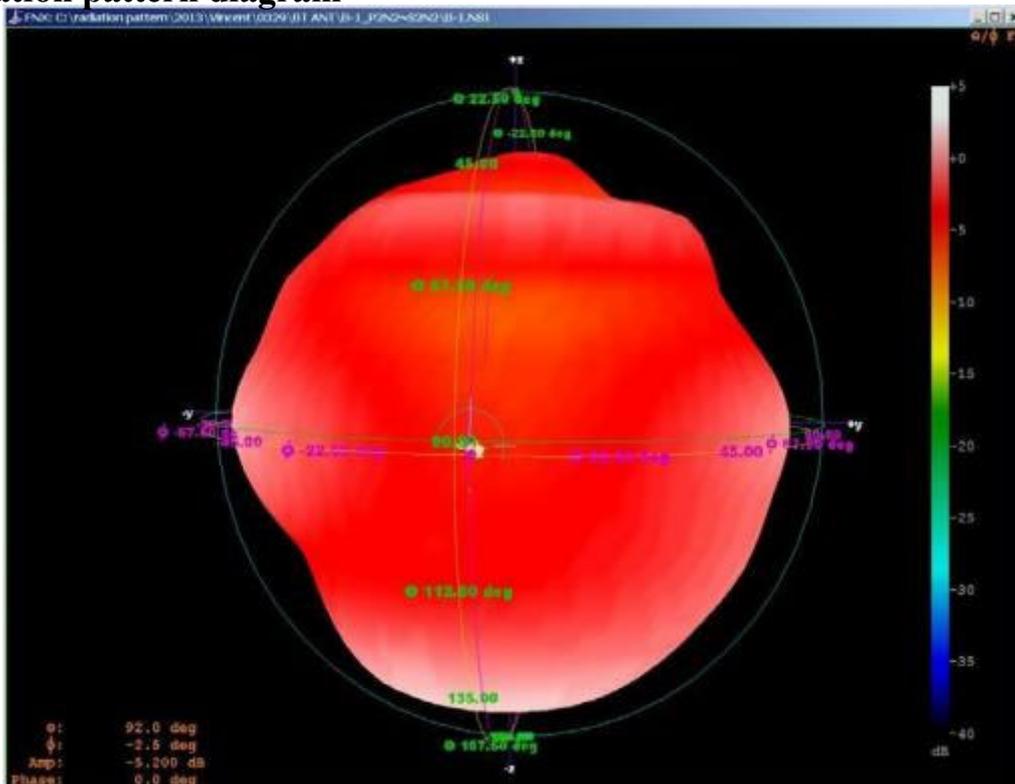
Return Loss



The Environment of Antenna Radiation Pattern

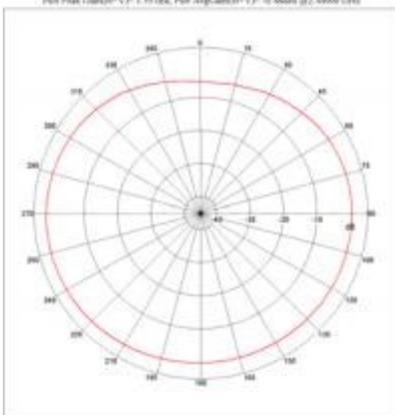


3D radiation pattern diagram



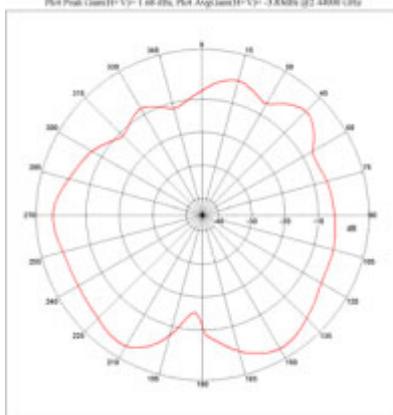
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
 Plot Peak Gain(H+V)= 1.11 dB, Plot Angle(H+V)= 0.0000 (at 4000 GHz)



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
 Plot Peak Gain(H+V)= 1.01 dB, Plot Angle(H+V)= -3.0000 (at 4000 GHz)



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
 Plot Peak Gain(H+V)= 1.11 dB, Plot Angle(H+V)= -2.9900 (at 4000 GHz)

