

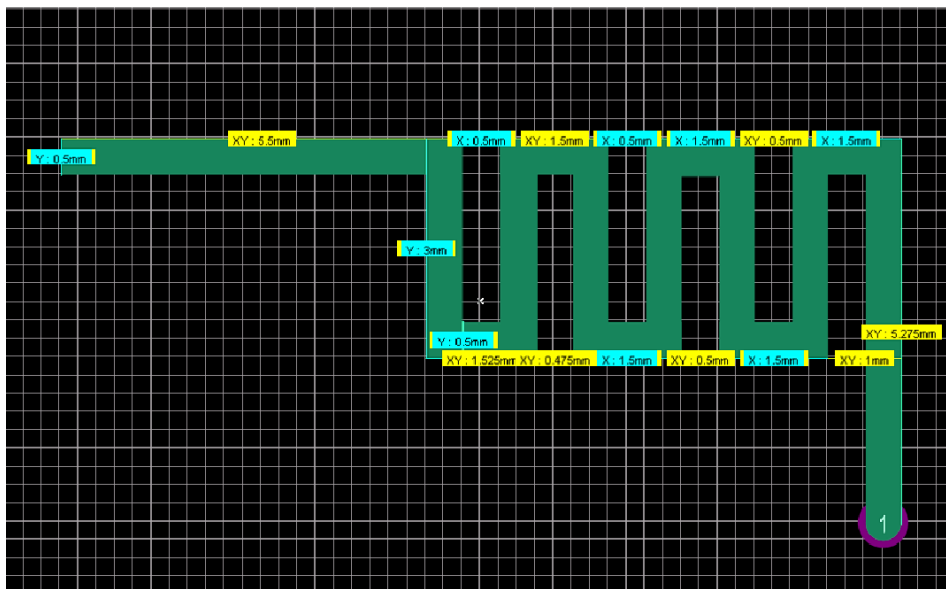
Product specification

Quick Reference Date

	Antenna module on the system board	
Antenna manufacturer	Shenzhen Zhongcheng Communication Technology Co., Ltd.	
Antenna manufacturer address	301, Fengsheng Building, No.81, Shangliao Community, Xinqiao Street, Baoan District, Shenzhen City	
Project	VCI200	
Antenna type	PCB	
Frequency	2.45GHz*1	
Ant.Port Input Pwr. (dBm)	0(Typ.BT class 2 output power)	
Tot.Rad.Pwr. (dBm)	-2.3 (Input power loss power)	
Peak EIRP (dBm)	1.3	
Directivity (dBi)	1(all direction antenna)	
Efficiency (dB)	-2.3 (58.5%)	
Gain(dBi)	1.7(Peak GainXZ-plane)	
Maximum Power (dBm)	1.3(XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Max/Min Ratio(dB)	5.3(XY-plane)	
Max/Avg Ratio(dB)	1.8(XY-plane)	
Min/Avg Ratio(dB)	-3.5(XY-plane)	
Average Gain (dB)	-0.5(Avg Gain XY-plane)	

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

Antenna Layout & module on the system board

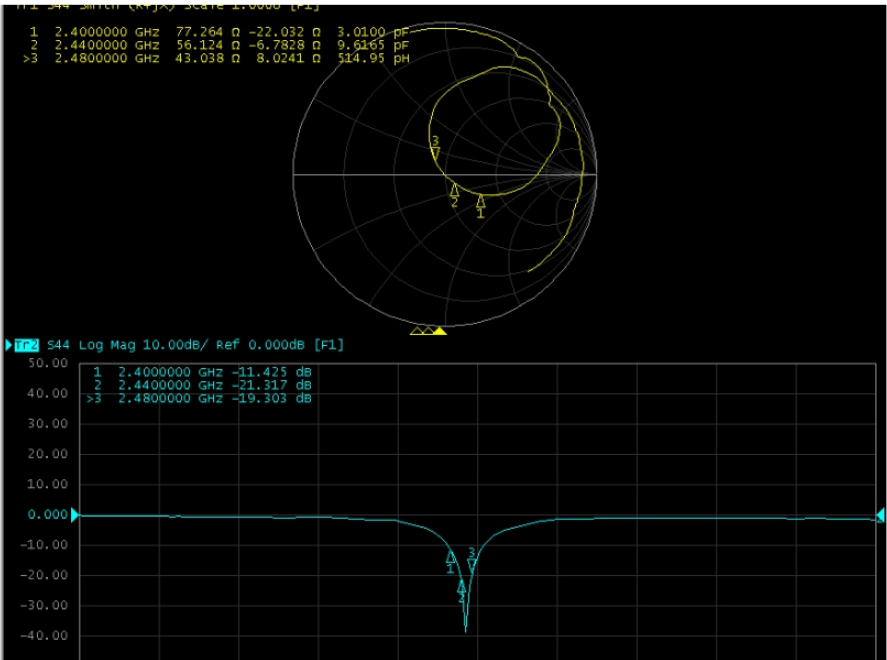


Antenna Gain

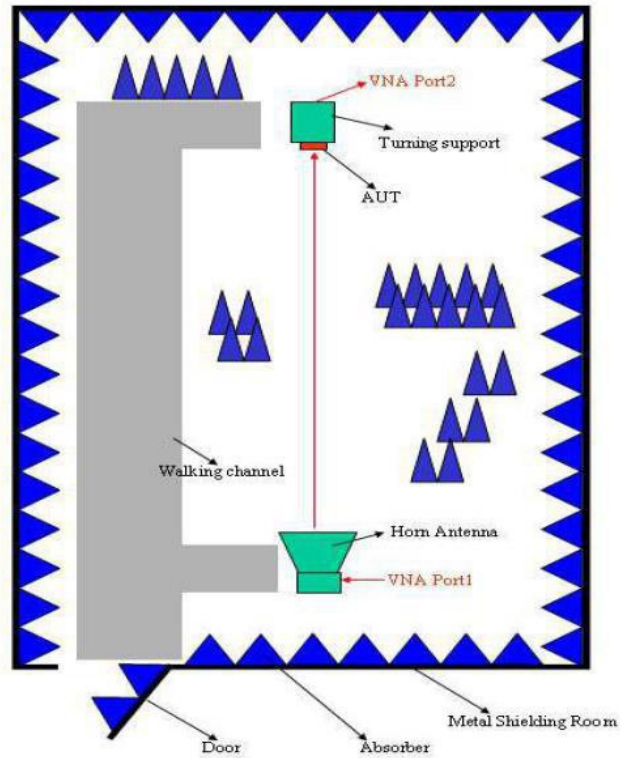
Gain Table

Unit in dBi@2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.3	-0.5	1.7	-3.8	1.1	-3.0	58.5%

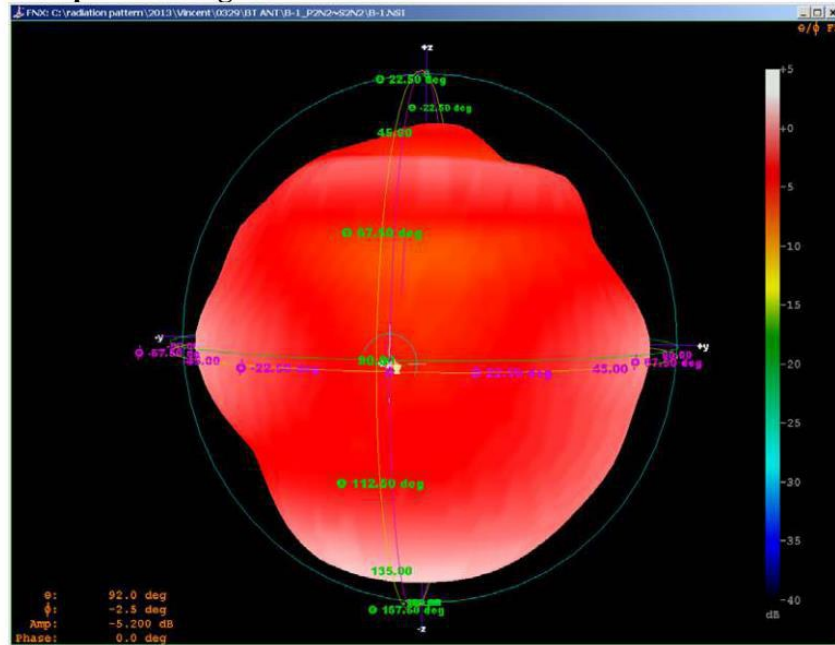
Return Loss



The Environment of Antenna Radiation Pattern

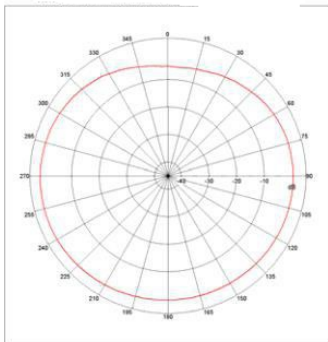


3D radiation pattern diagram



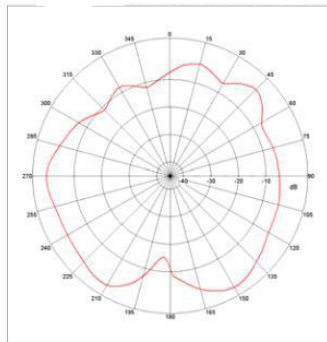
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
 Plot Peak Gain(H+V) = 1.35dB; Plot Avg Gain(H+V) = -0.48dB; @2.45000GHz



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
 Plot Peak Gain(H+V) = 1.68dB; Plot Avg Gain(H+V) = -0.83dB; @2.45000GHz



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
 Plot Peak Gain(H+V) = 1.11dB; Plot Avg Gain(H+V) = -2.99dB; @2.45000GHz

