

Antenna specification

Model: A778-ANT

Antenna Type: PCB Antenna

Frequency range: 2400-2500Mhz

Antenna manufacturer: Shenzhen Pinsheng Technology Co., Ltd.

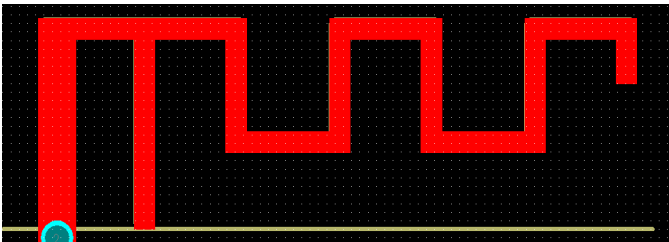
Address: Pengzhou Industrial Zone, Fuyuan 1st Road, Baoan, Shenzhen

Quick Reference Date

	Antenna module on the system board	
Frequency	2.45GHz*1	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-2.3 (Input pwr – loss pwr)	
Peak EIRP(dBm)	1.3	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	-2.3 (58.5%)	
Gain (dBi)	1.68 (Peak Gain XY-plane)	
Maximum Power (dBm)	1.7(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)	

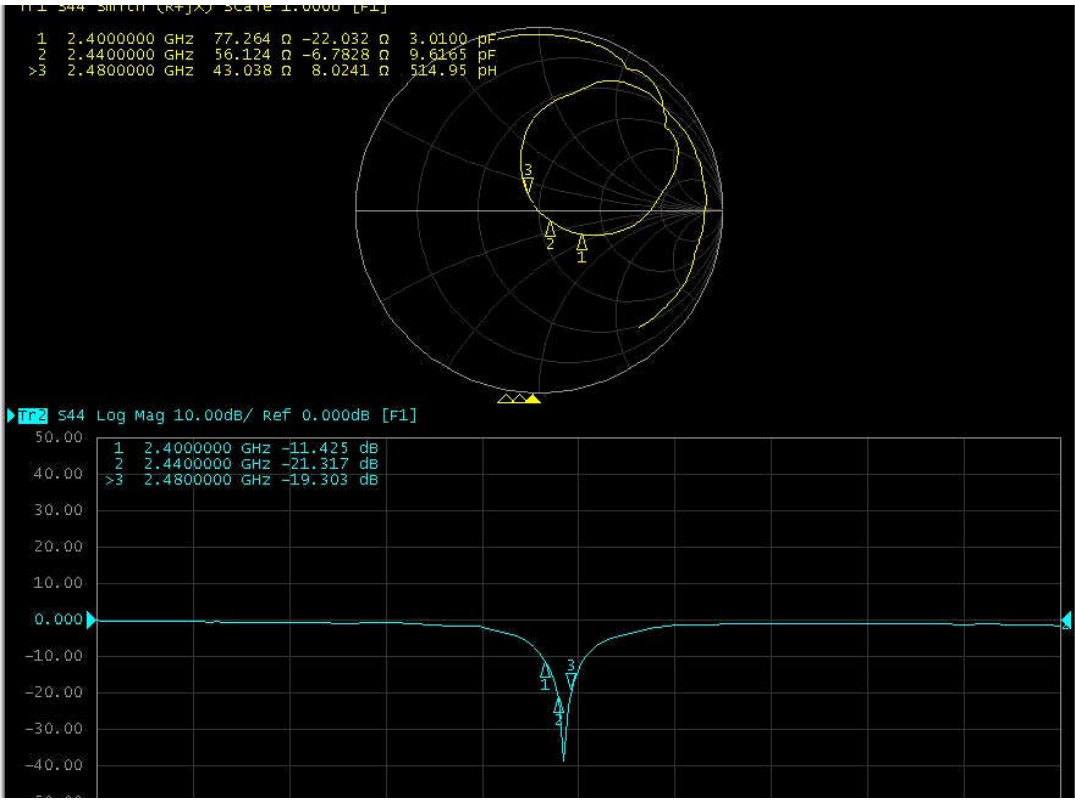
All the technical data and information contained herein are subject to change without prior notice

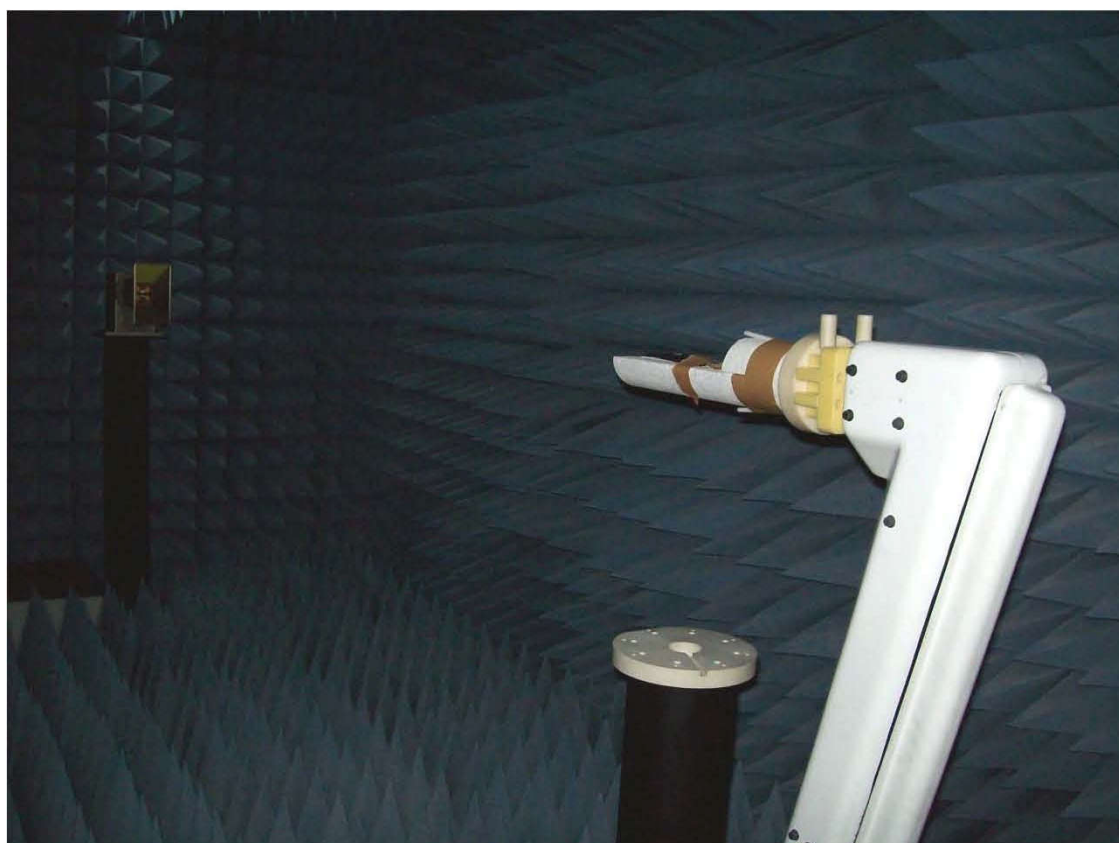
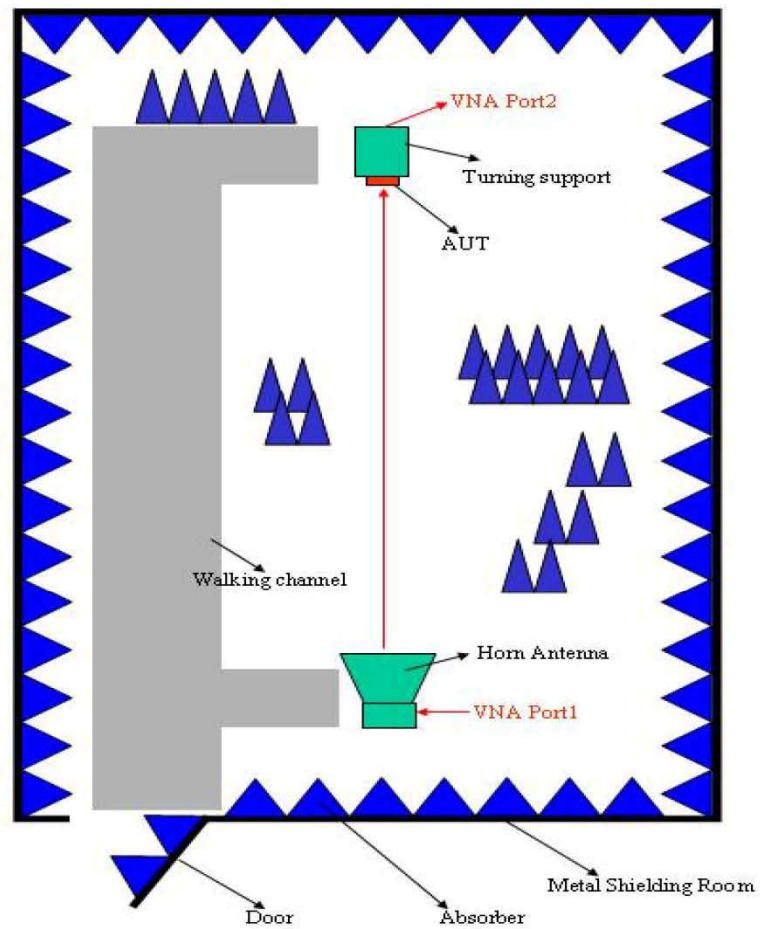
Antenna Layout & module on the system board



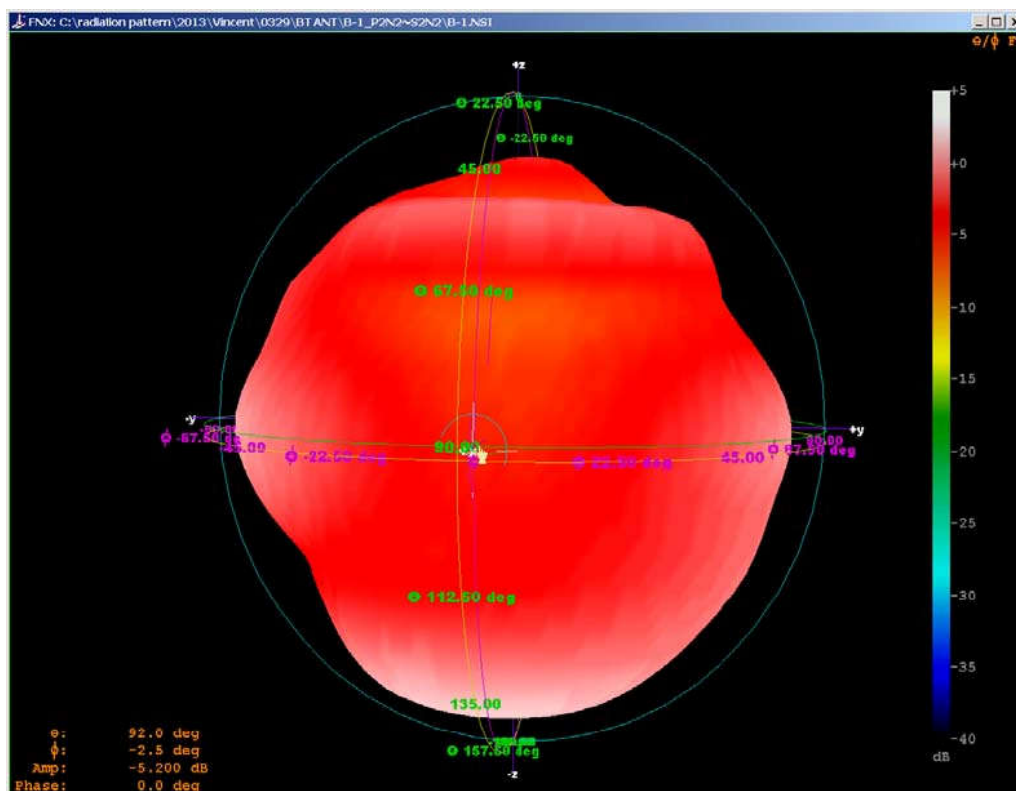
Antenna Gain
Gain Table

Unit in dBi @2.45GHz	XY-plane		ZY-plane		ZY-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	-1.39	-0.5	1.68	-3.8	-1.24	-3.0	58.5%

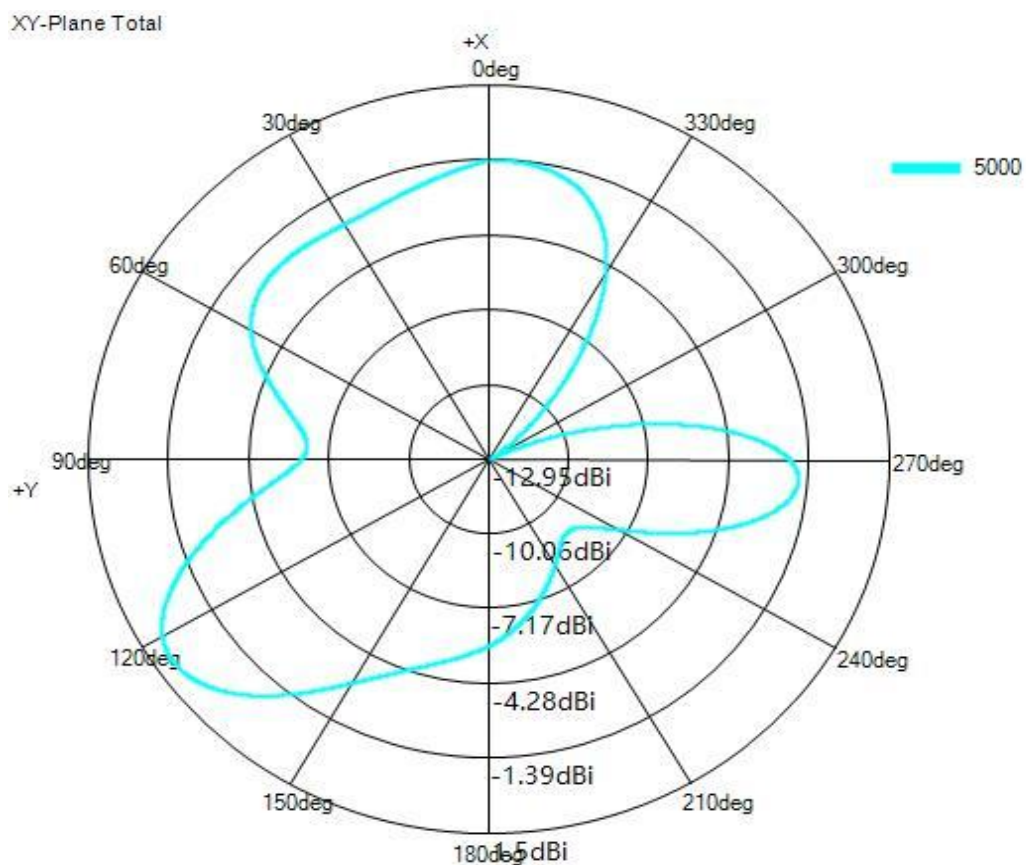




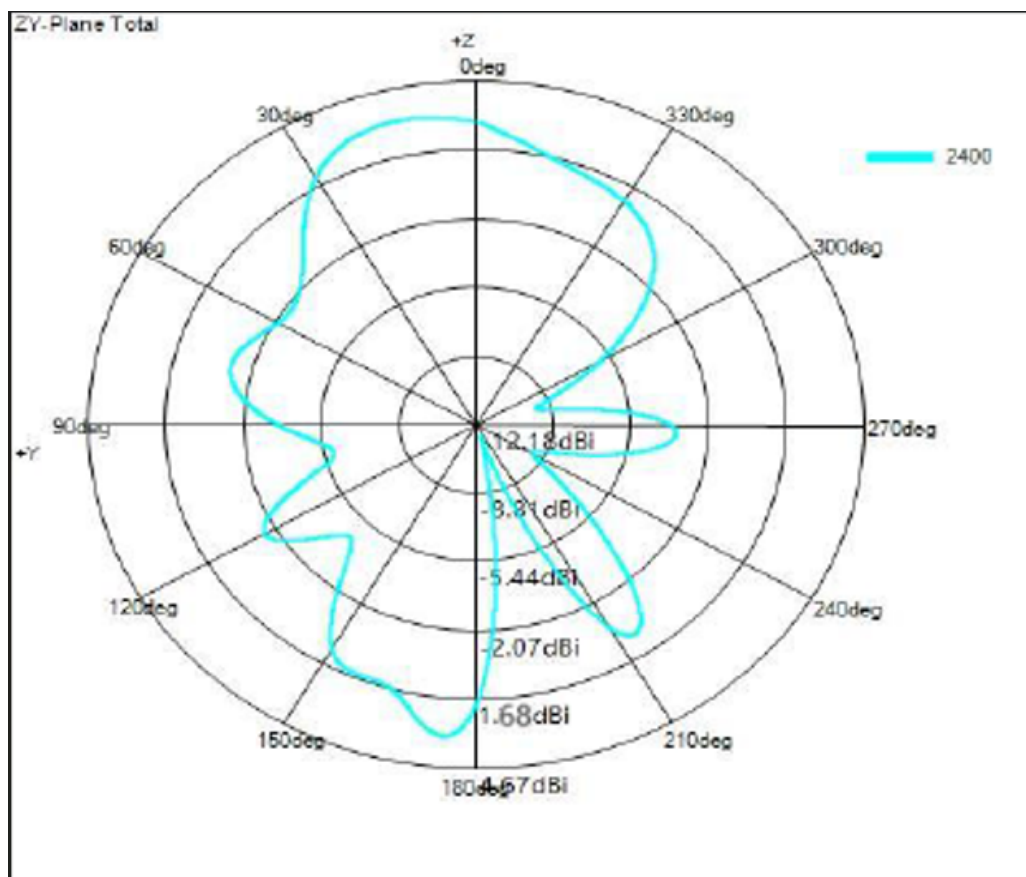
The Environment of Antenna Radiation Pattern



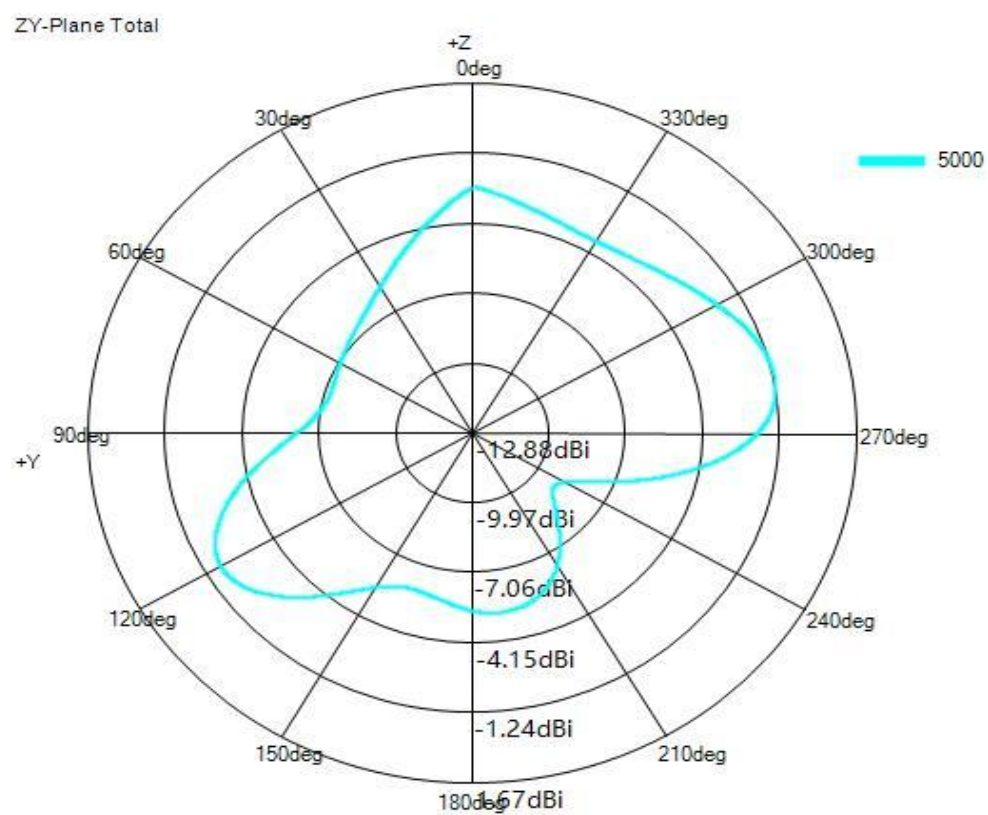
3D radiation pattern diagram



2400Mhz



2450Mhz



2500Mhz