

Product specification

Quick Reference Date

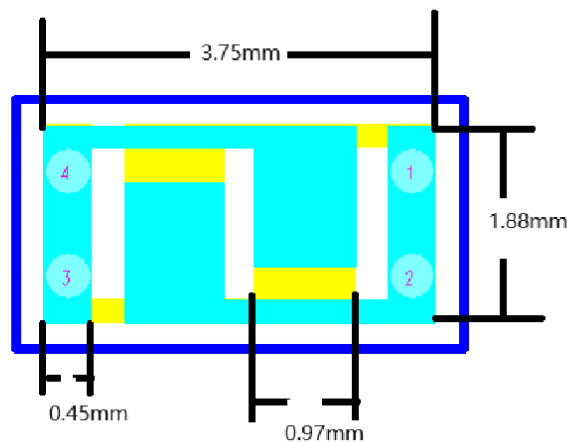
	Antenna module on the system board	
Frequenc Range	2400 ~ 2500MHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr – loss pwr)	
Peak EIRP(dBm)	1.2	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	6 0.2 %	
Gain (dBi)	1.68 (Avg Gain XY-plane)	
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	

Applicant: Dongguan Jinxu Electronics Co., Ltd

Address: Room 101, Building 1, No. 3 Gaoyu North Road, Tangxia Town, Dongguan City, Guangdong Province

Model: JX-05pro

Antenna Layout & module on the system board

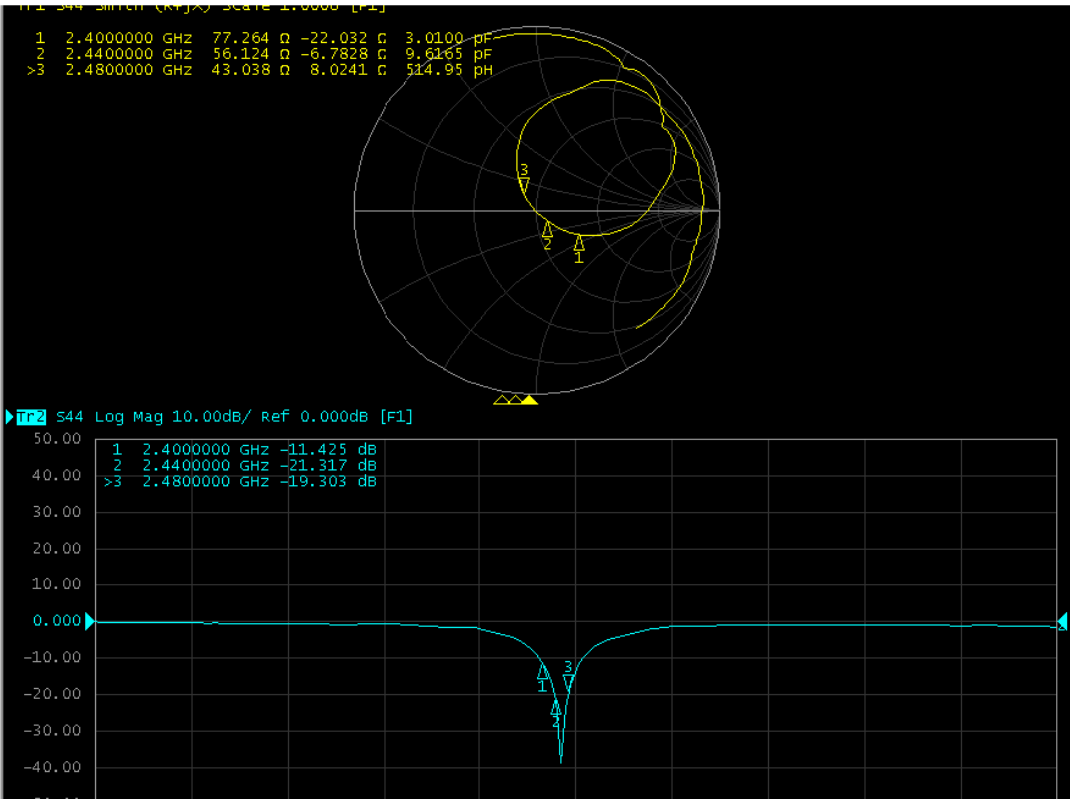


Antenna Gain

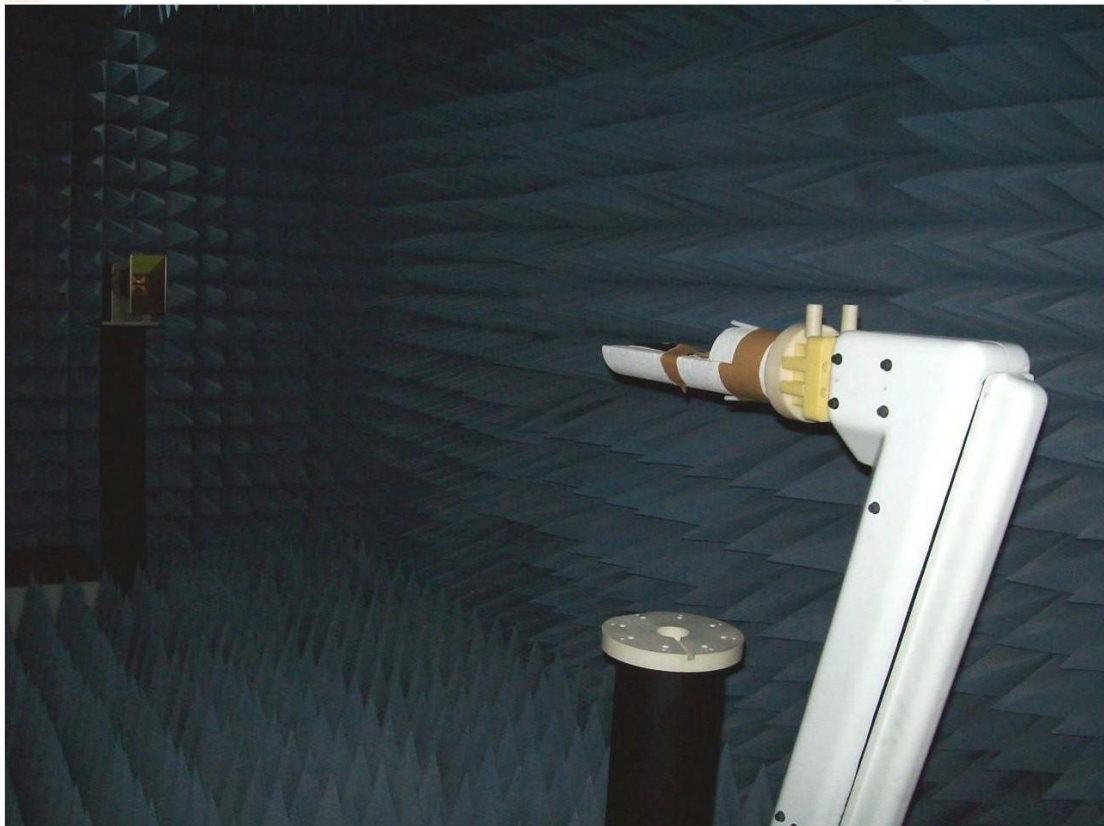
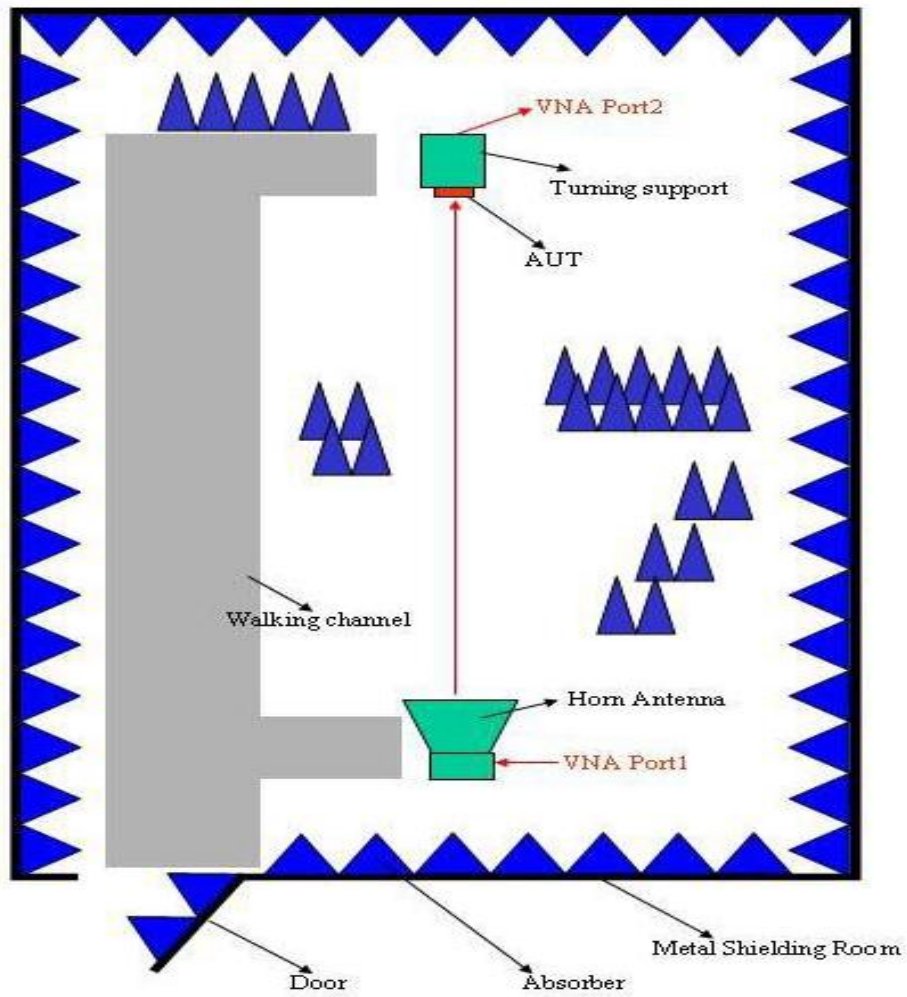
Gain Table

Unit in dBi	<u>XY-plane</u>		<u>XZ-plane</u>		<u>YZ-plane</u>		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
2400	1.05	-0.78	1.23	-1.89	1.02	-1.66	5 5.8 %
2440	1.35	-0.58	1.68	-1.42	1.11	-1.07	6 0.2 %
2500	1.03	-0.98	1.42	-1.79	0.95	-1.94	5 7.8 %

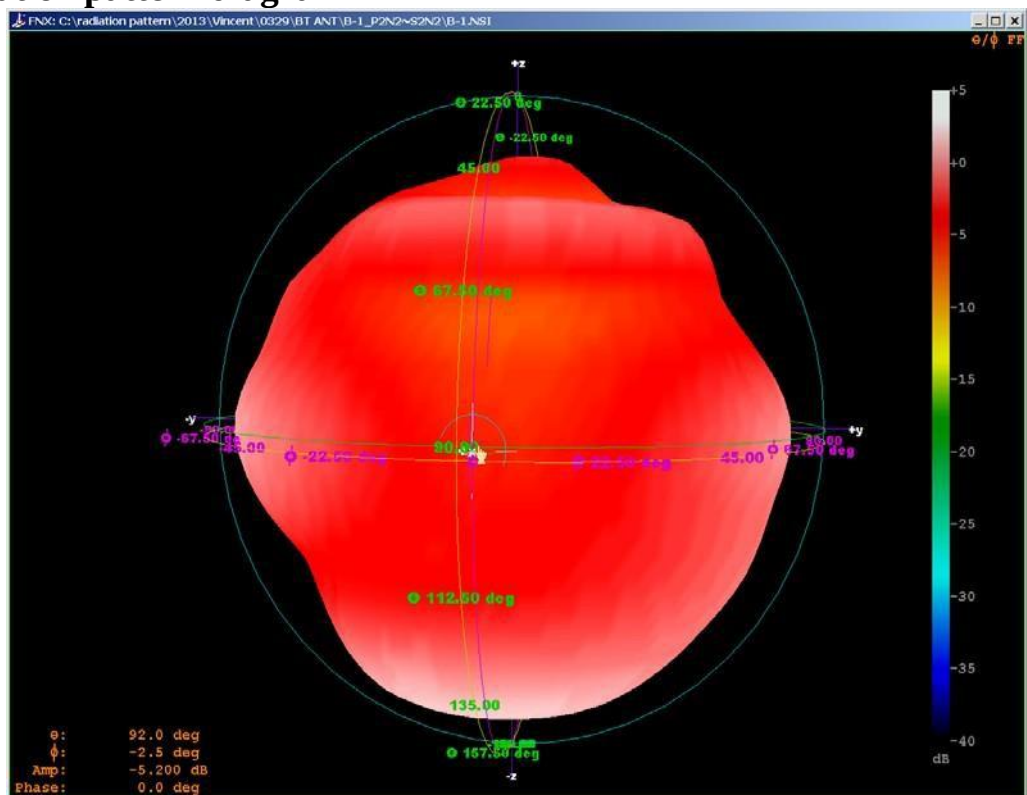
Return Loss



The Environment of Antenna Radiation Pattern

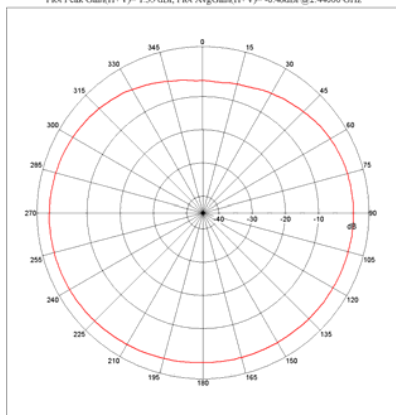


3D radiation pattern diagram



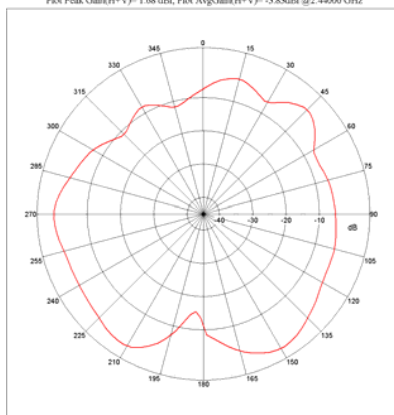
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.35 dB; Plot AvgGain(H+V)= -0.48dB @2.44000 GHz



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 1.68 dB; Plot AvgGain(H+V)= -3.83dB @2.44000 GHz



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.11 dB; Plot AvgGain(H+V)= -2.99dB @2.44000 GHz

