

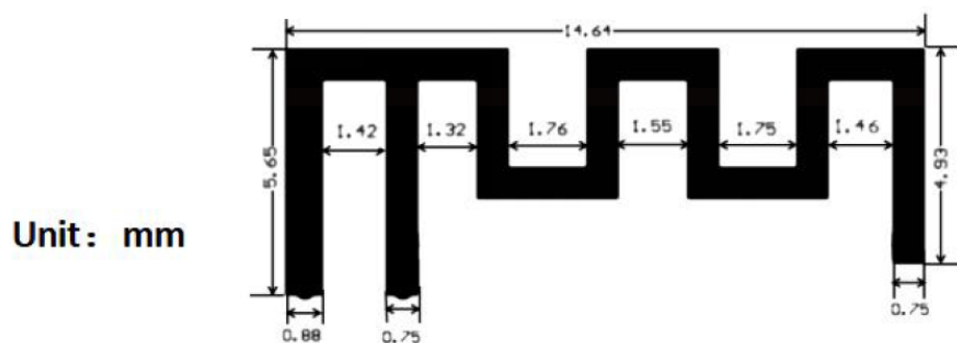
Antenna Specification

Quick Reference Date

	Antenna module on the system board	
Frequenc Range	2400 ~ 2500GHz	
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)	60.2 %	
Gain (dBi)	1.68 (Peak Gain XY-plane)	
Maximum Power (dBm)	1.68(XZ-plane)	
Minimum Power (dBm)	-3.83(XZ-plane)	
Avg. Power (dBm)	-0.48(XY-plane)	
Input Impendence(ohm)	50	
Polarization Type	Vertical & Horizontal	
V. S. W. R	< 1.4	
Manufacture	DongGuan LDARC Technology Co., Ltd.	
Address	4th Floor, Building S7, Group 1, Fenggang Tianan Digital City Project, No. 208, Fenggang Section, Dongshen Road, Fenggang, Dongguan, GuangDong, China	

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

Antenna Layout & module on the system board

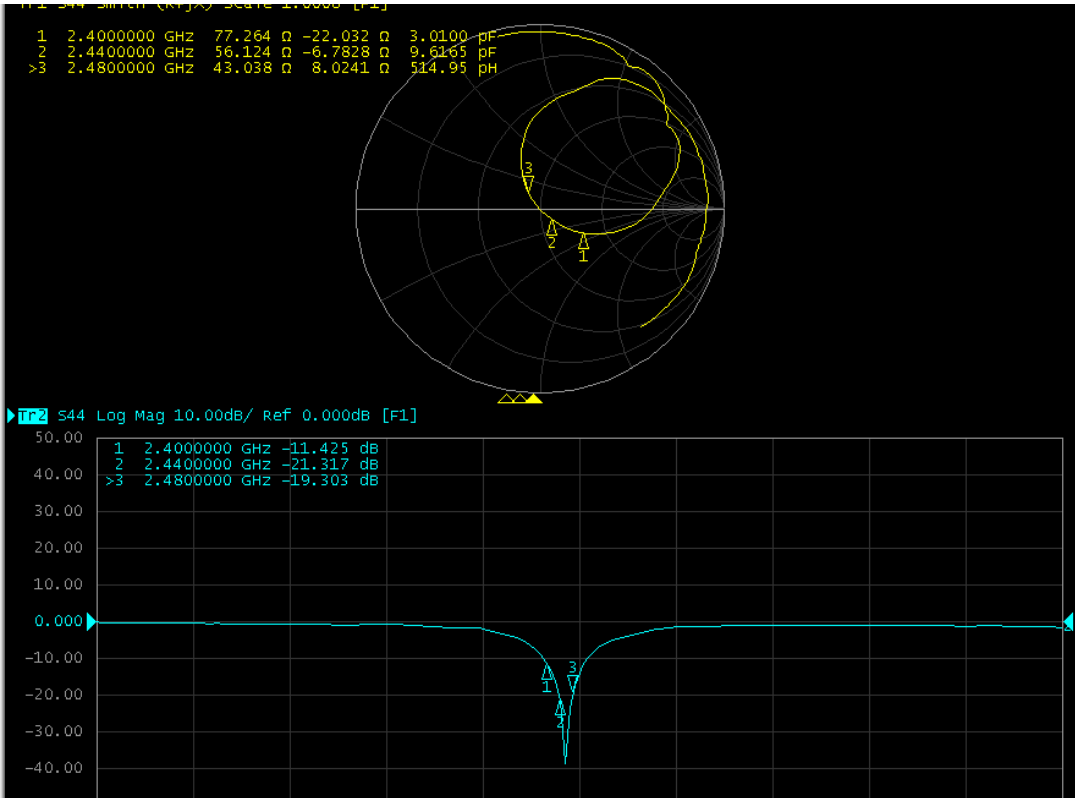


Antenna Gain

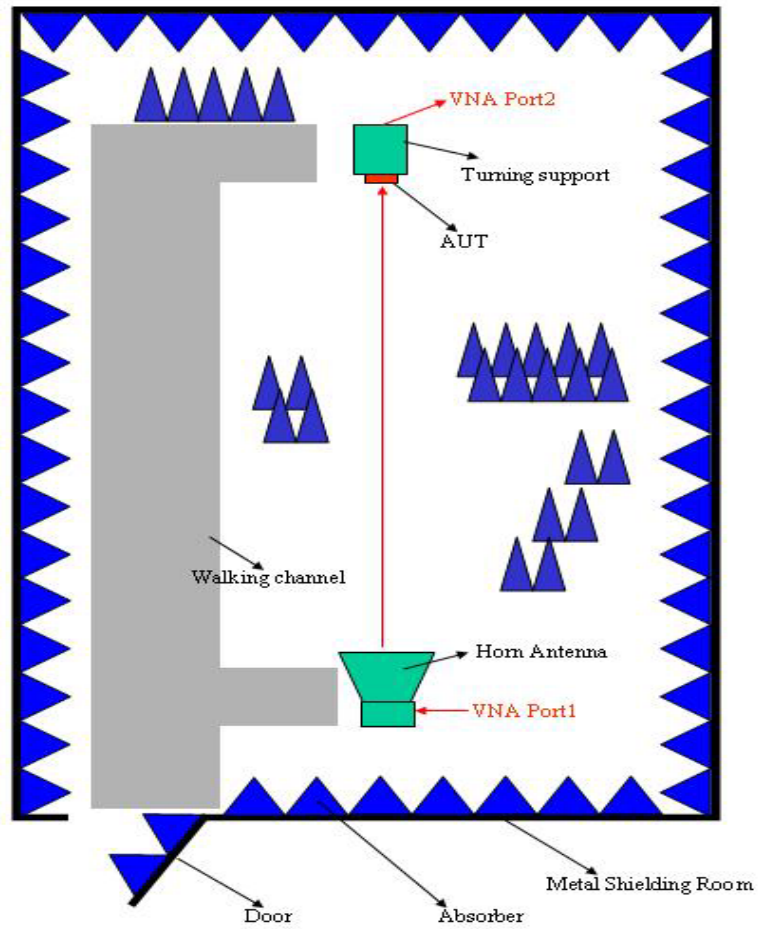
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.35	-0.48	1.68	-3.83	1.11	-2.99	60.2 %

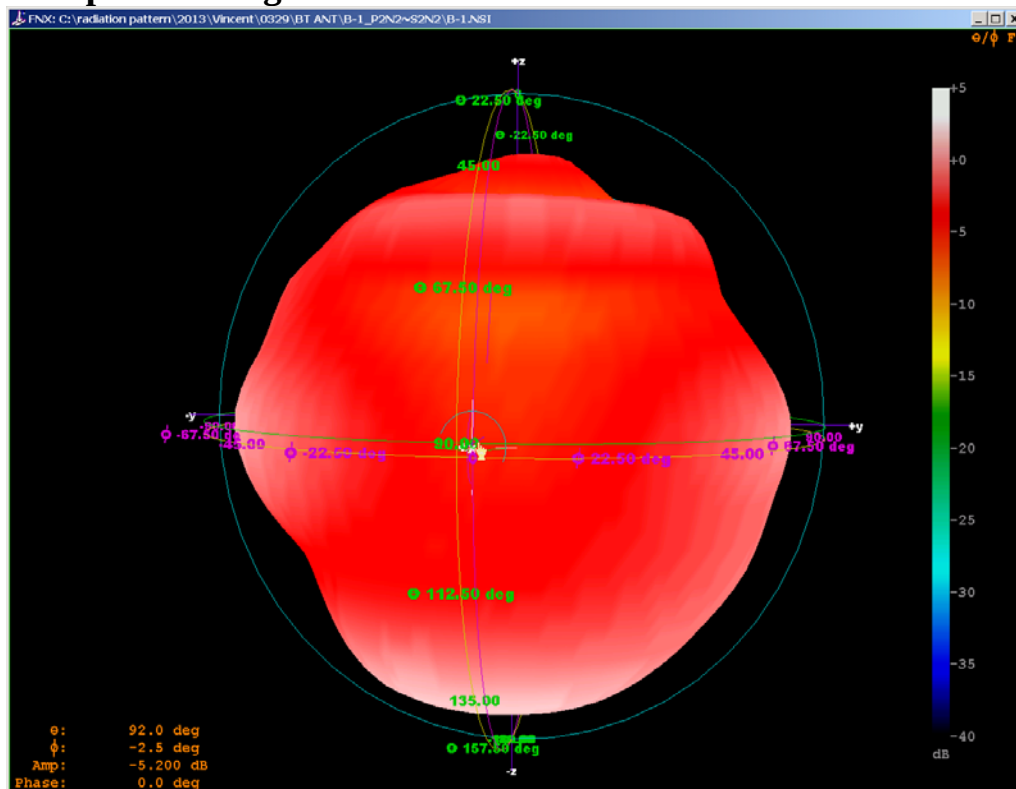
Return Loss



The Environment of Antenna Radiation Pattern

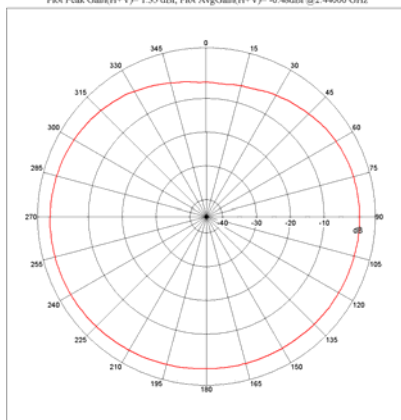


3D radiation pattern diagram



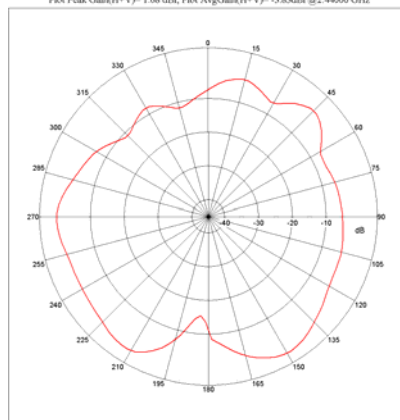
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane



YZ-plane

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

