

Product specification

Quick Reference Date

	Antenna module on the system board	
Frequenc Range	2400 ~ 2480GHz	
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)	1.3	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	60.2 %	
Gain (dBi)	1.3	
Maximum Power (dBm)	1.7 (XZ-plane)	
Minimum Power (dBm)	-4 (XZ-plane)	
Avg. Power (dBm)	-0.5 (XZ-plane)	
Input Impedence(ohm)	50	
Polarization Type	Vertical & Horizontal	
V. S .W. R	< 1.4	
ITEM	ANT SPEC	
Model Name:	2.4G ANT	
Manufacture	ZHUHAI JIELI TECHNOLOGY CO.,LTD	

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

Antenna Layout & module on the system board



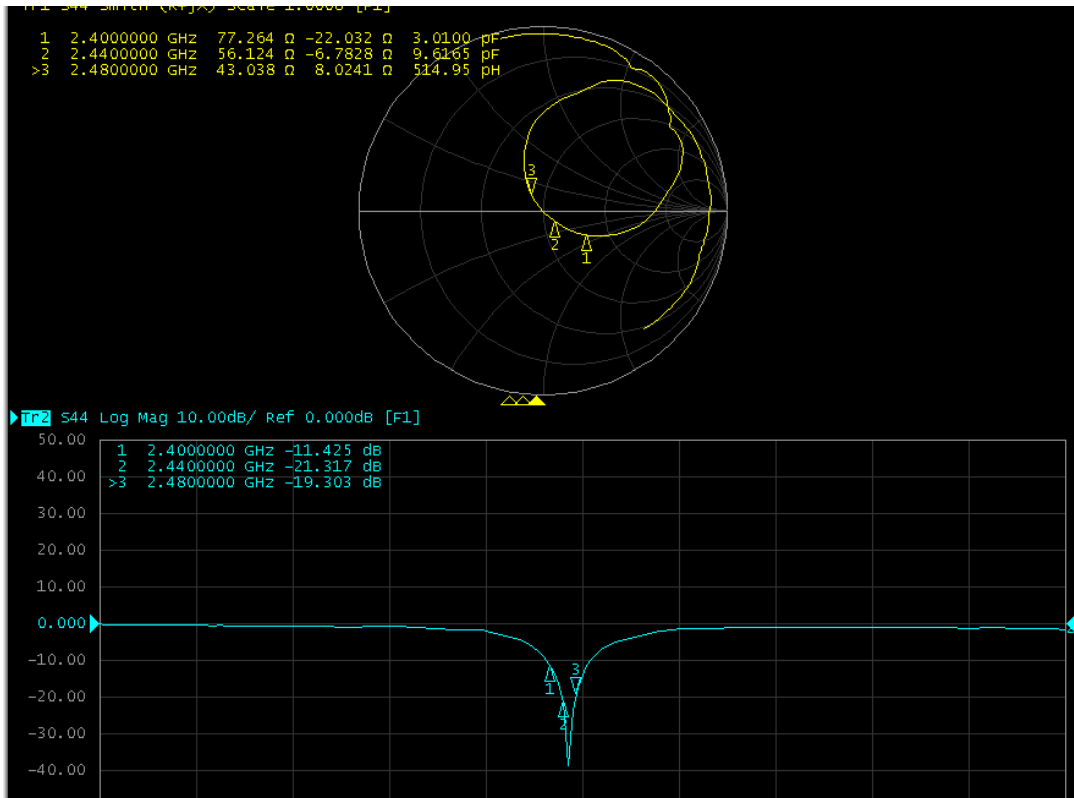
SIZE:14. 8*5. 8MM

Antenna Gain

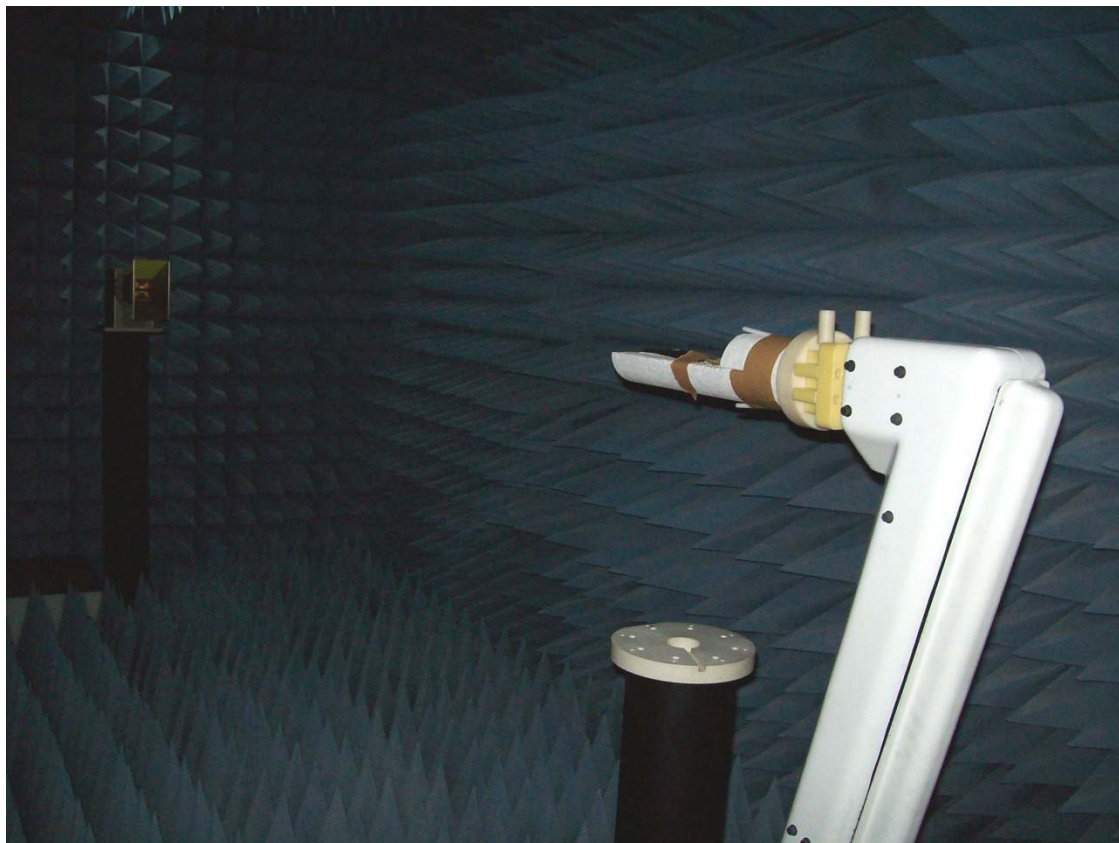
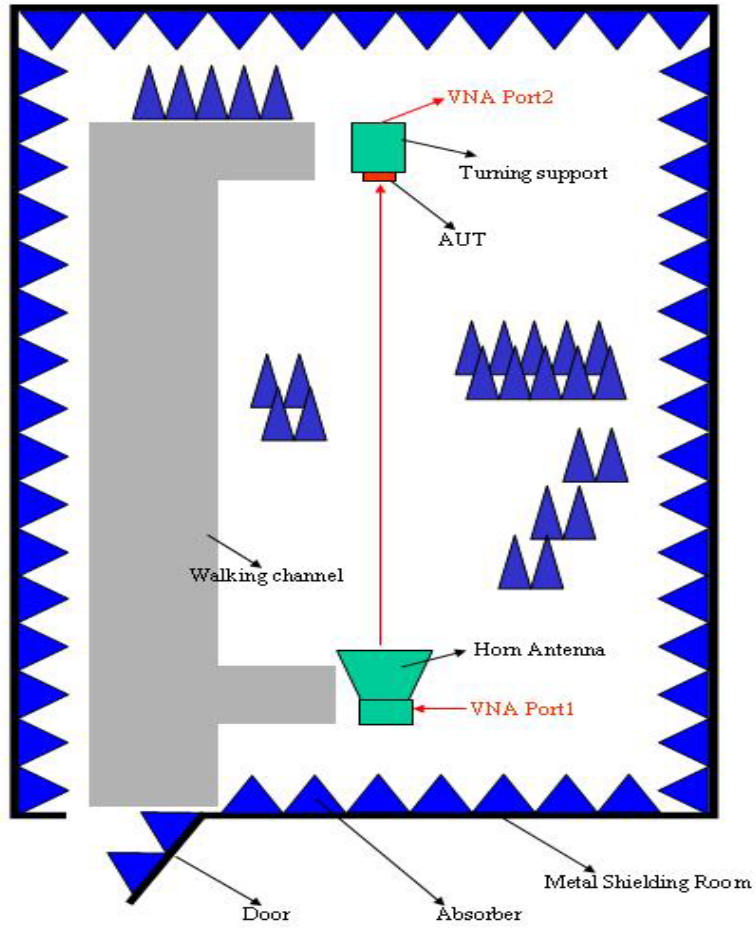
Gain Table

Unit in dBi @2.4GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.2	-0.5	1.3	-3.6	1.1	-3.0	60.2 %

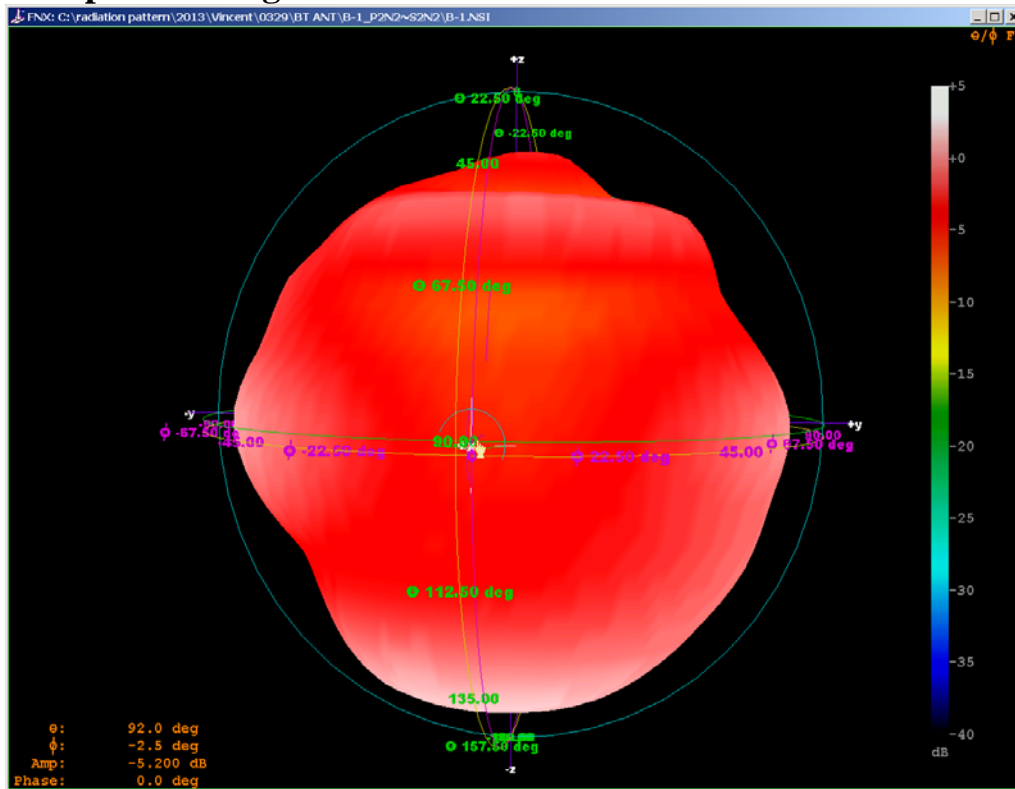
Return Loss



The Environment of Antenna Radiation Pattern

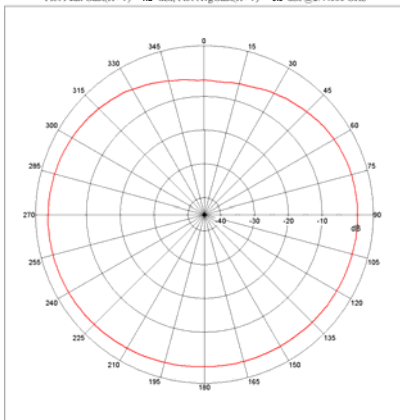


3D radiation pattern diagram



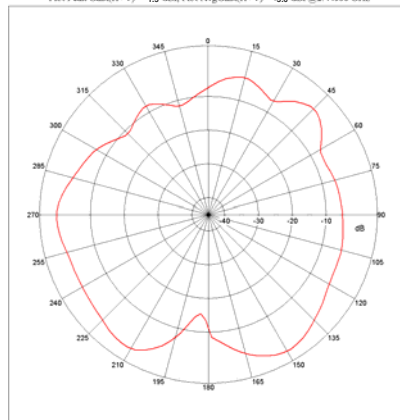
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
 Plot Peak Gain(H+V)= 1.2 dBi; Plot AvgGain(H+V)= -0.5 dBi @2.4000 GHz



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
 Plot Peak Gain(H+V)= 1.3 dBi; Plot AvgGain(H+V)= -3.6 dBi @2.4000 GHz



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
 Plot Peak Gain(H+V)= 1.1 dBi; Plot AvgGain(H+V)= -3.0 dBi @2.4000 GHz

