

- 1. Antenna type: onboard antenna
- 2. Antenna manufacturer: **Jiangsu Kangbang Circuit Technology Co., Ltd**

ADD: West half of Building 5, Zhongxin Hua Electronic Industrial Park Co., Ltd.,

Lianshui County Economic Development Zone, Huai'an City
- 3. Antenna parameters:

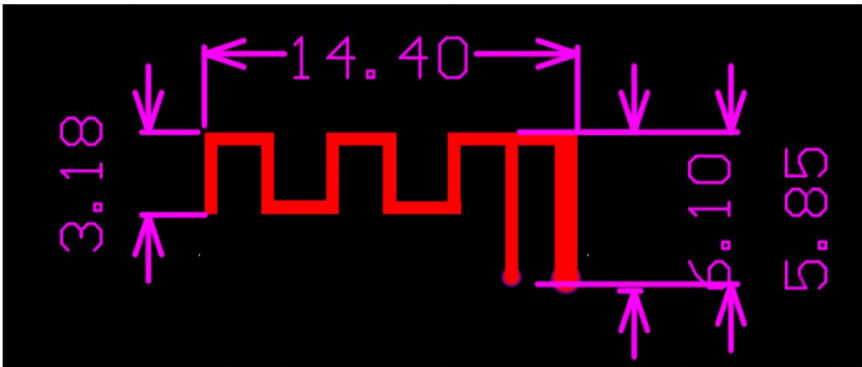
Product specification

Quick Reference Data

	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)	-1.68 (Input pwr – loss pwr)	
Peak EIRP(dBm)	1.68	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	6 0.2 %	
Gain (dBi)	1.68 (Avg Gain XY-plane)	
Maximum Power (dBm)	1.68 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Input Impendence(ohm)	50	
Polarization Type	V ertical & Horizontal	
V . S .W . R	< 1.4	

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

Antenna Layout & module on the system board

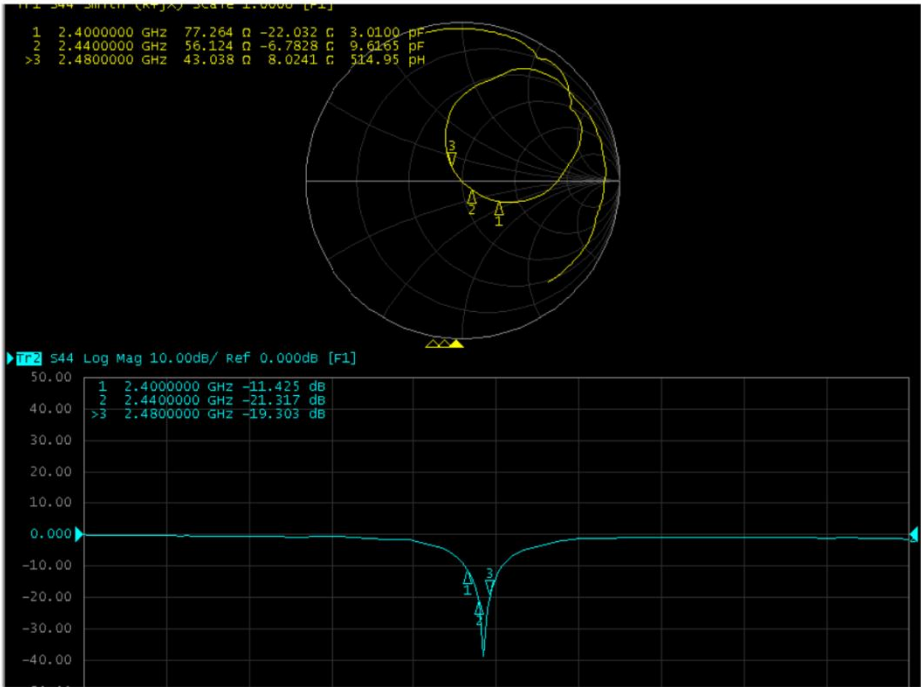


Antenna Gain

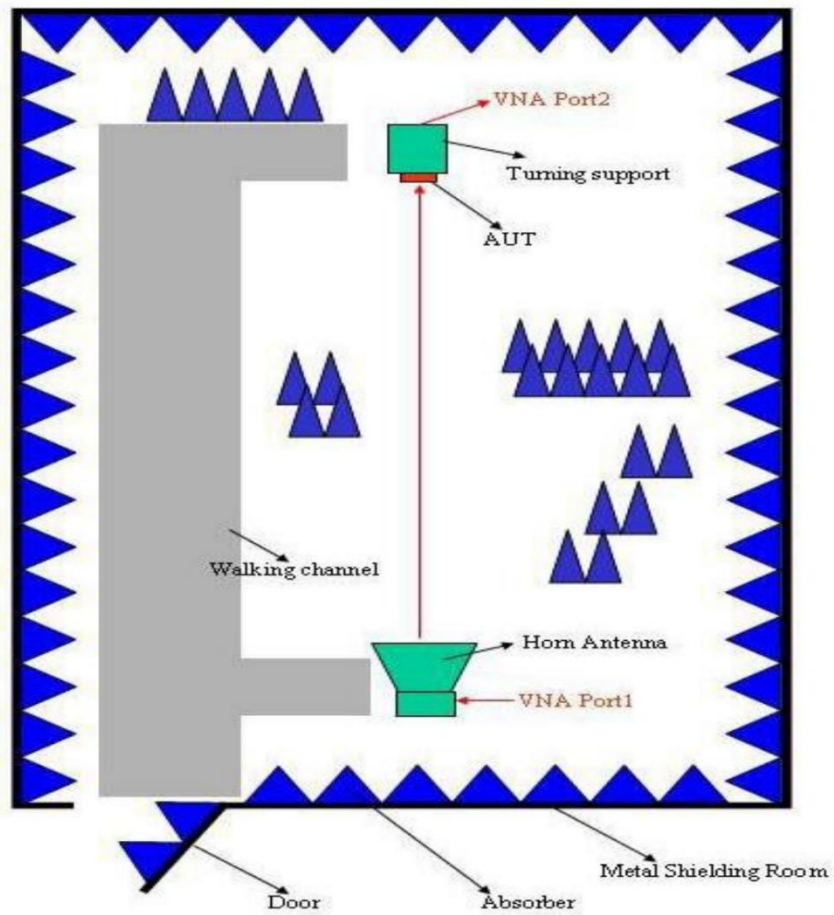
Gain Table

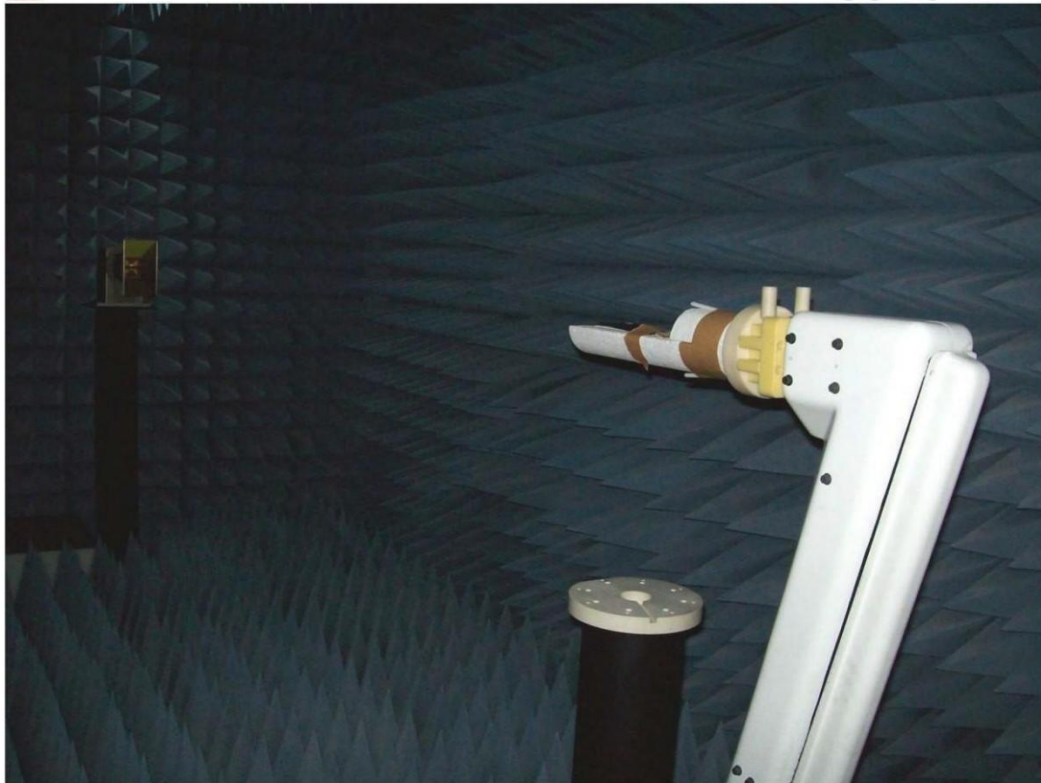
Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.35	-0.5	1.68	-3.6	1.11	-3.0	60.2 %

Return Loss

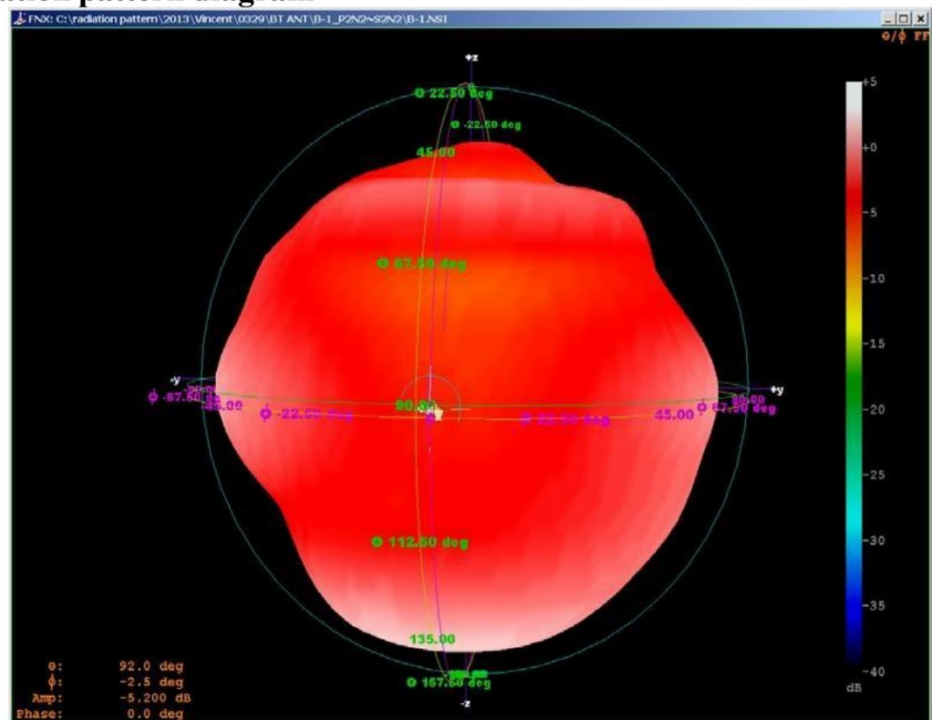


The Environment of Antenna Radiation Pattern





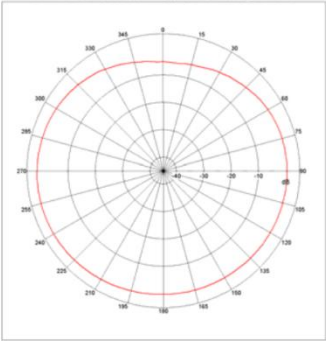
3D radiation pattern diagram



XY-plane

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

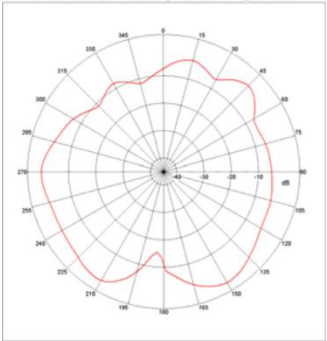
Plot Peak Gain(H+V)= 1.35 dB; Plot AvgGain(H+V)= -0.48dB @2.4000 GHz



XZ-plane

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

Plot Peak Gain(H+V)= 1.68 dB; Plot AvgGain(H+V)= -3.03dB @2.4000 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 @2.4000 GHz

