

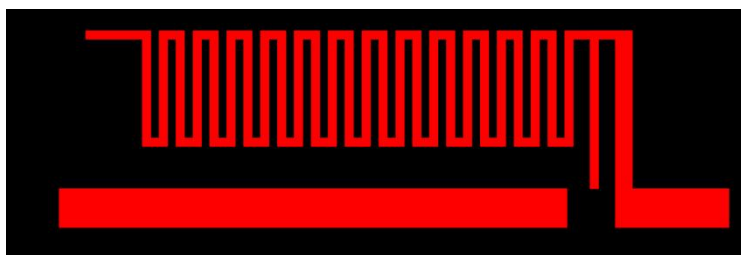
Product specification

Quick Reference Date

Antenna model number	ANT-F-3-2.4G-0.6mmFR4-WCH
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)	0.18 dBi
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 & H orizontal
V . S .W . R	< 1.4
Antenna Type	PCB Antenna
Maufacture	Tongling Onbole PCB Co., Ltd
Address	No. 999 Xihu 1st Road, Economic Development Zone, Tongling City, Anhui Province

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

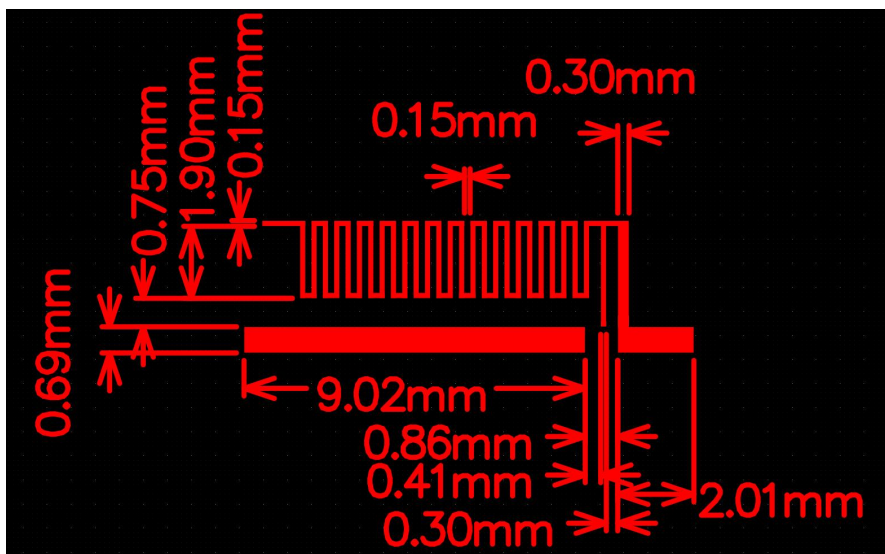
Antenna Layout & module on the system board



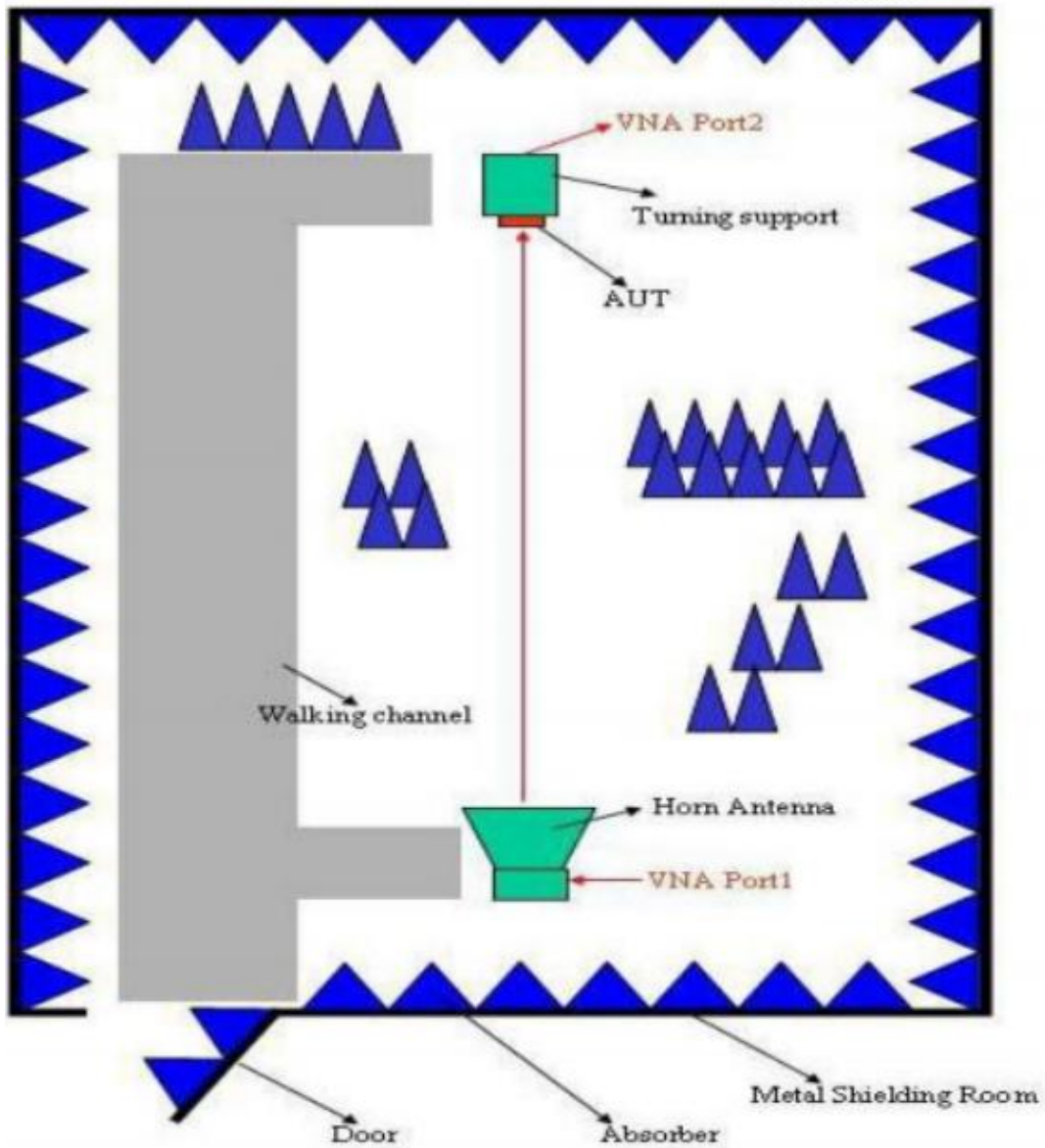
Return Loss



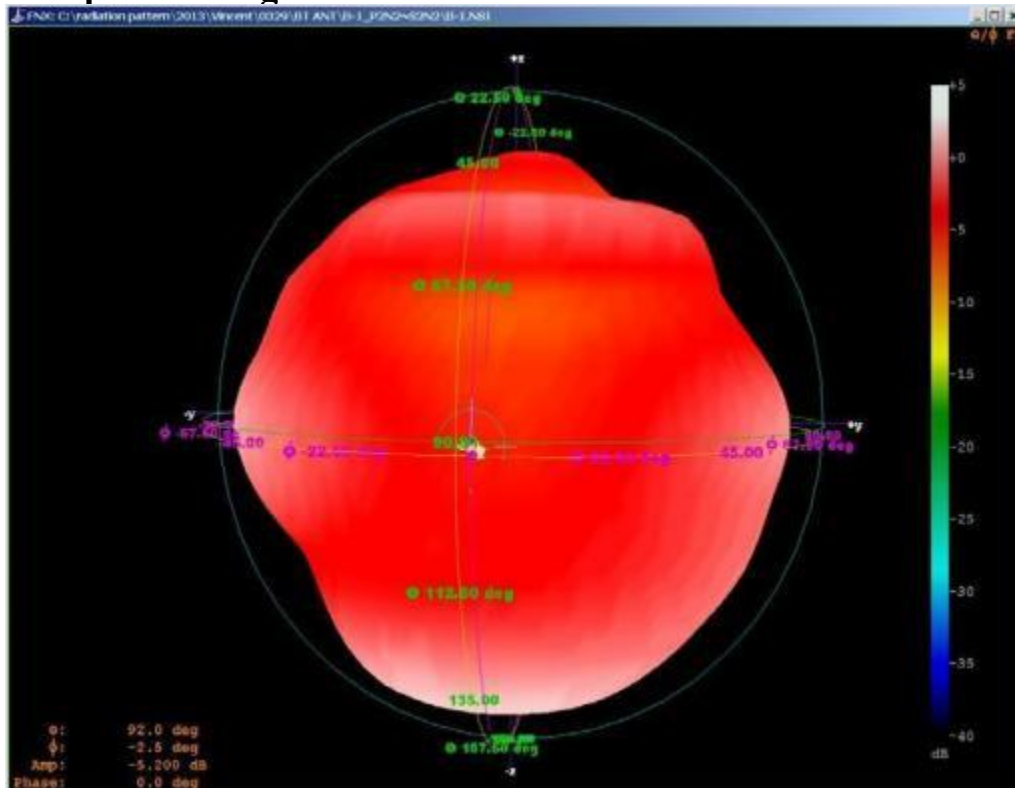
PIFA



The Environment of Antenna Radiation Pattern

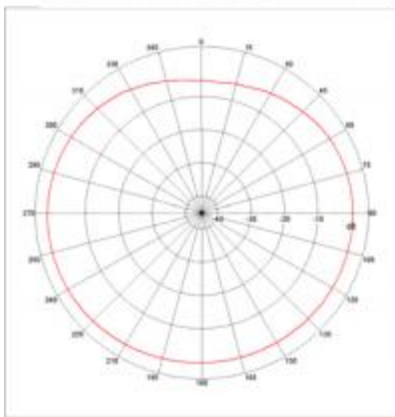


3D radiation pattern diagram



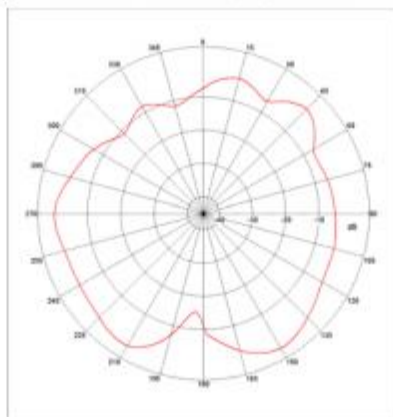
2400 MHz

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



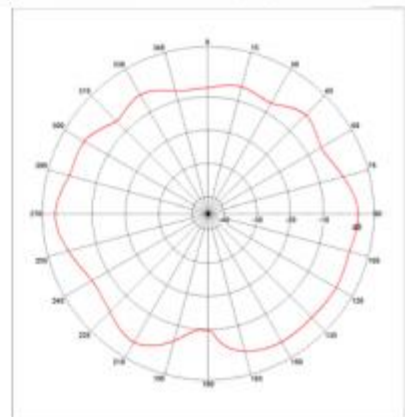
2450 MHz

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



2500 MHz

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



Antenna Gain

Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	0	-0.5	0.18	-3.6	-0.11	-3.0	6 0.2 %