

## Product specification

### Quick Reference Date

Antenna model number	XM-RF-F-A	
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 & Horizontal	
V . S .W . R	< 1.4	
Antenna Type	PCB Antenna	
Maufacture	Shenzhen zhongtianxun Technology Co., Ltd	

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

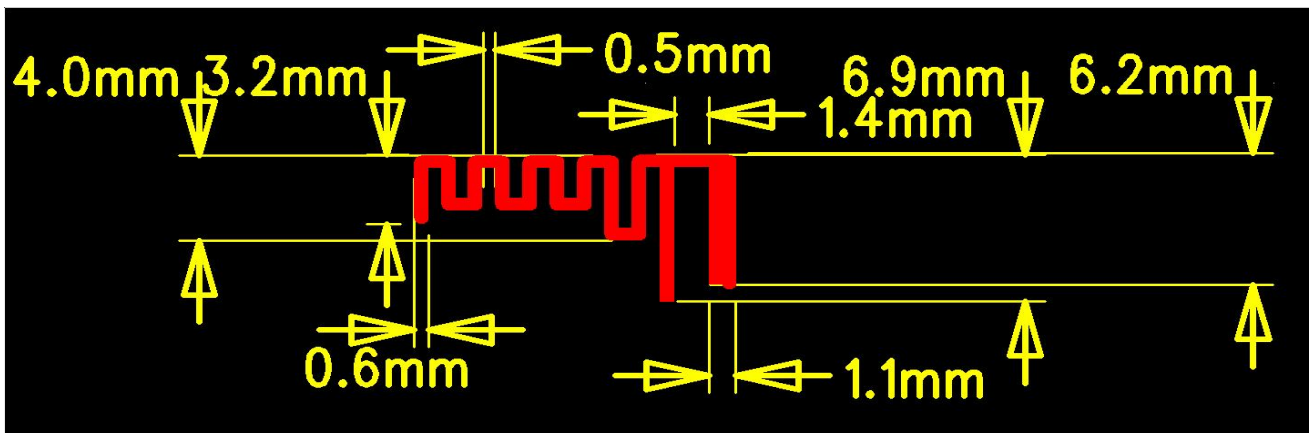
### Antenna Layout & module on the system board



# Return Loss



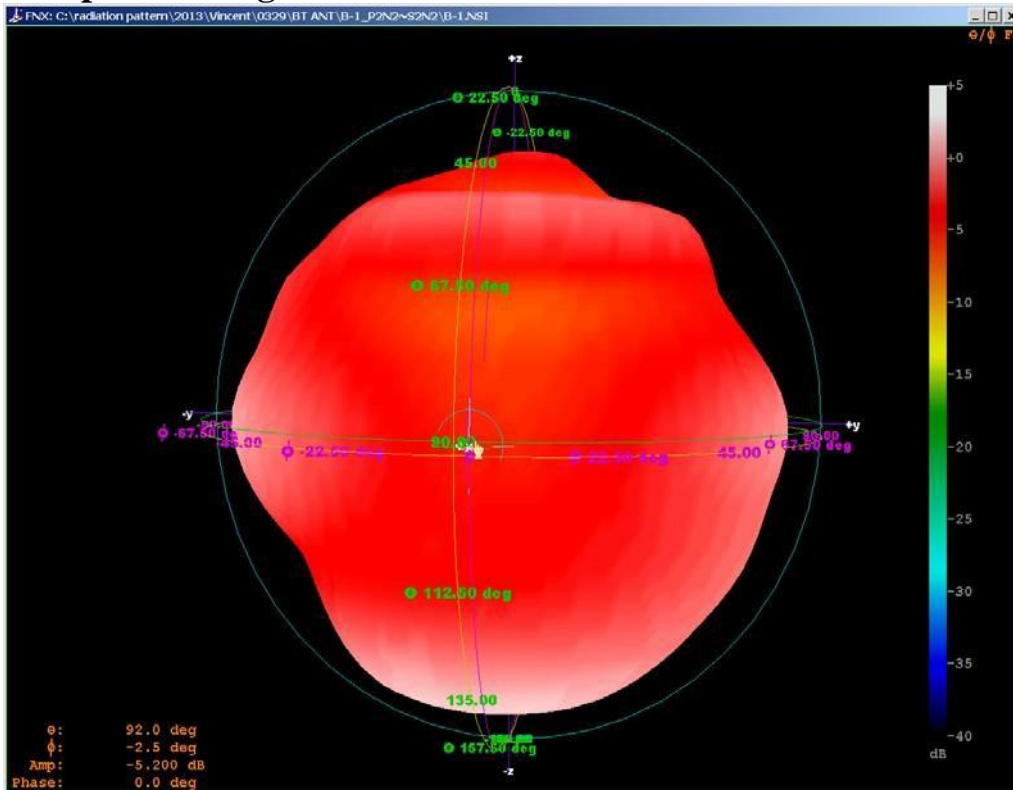
# PIFA



# The Environment of Antenna Radiation Pattern

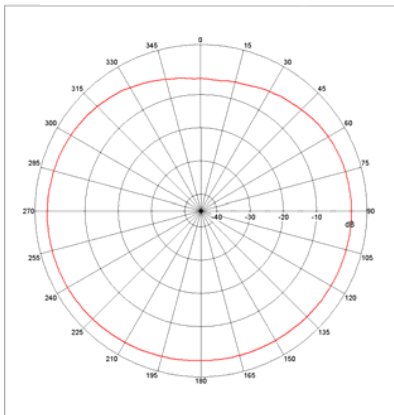


### 3D radiation pattern diagram



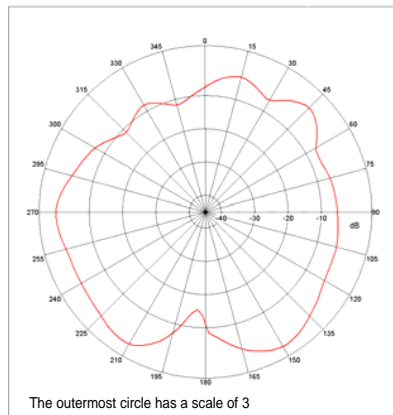
### 2400 MHz

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



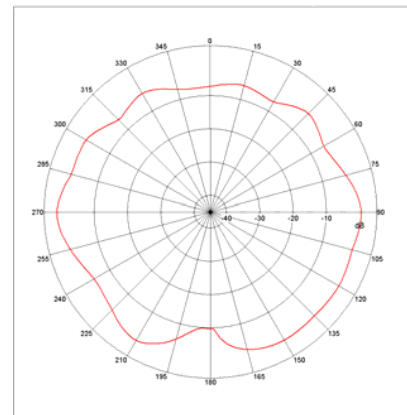
### 2450 MHz

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	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 %