

Product specification

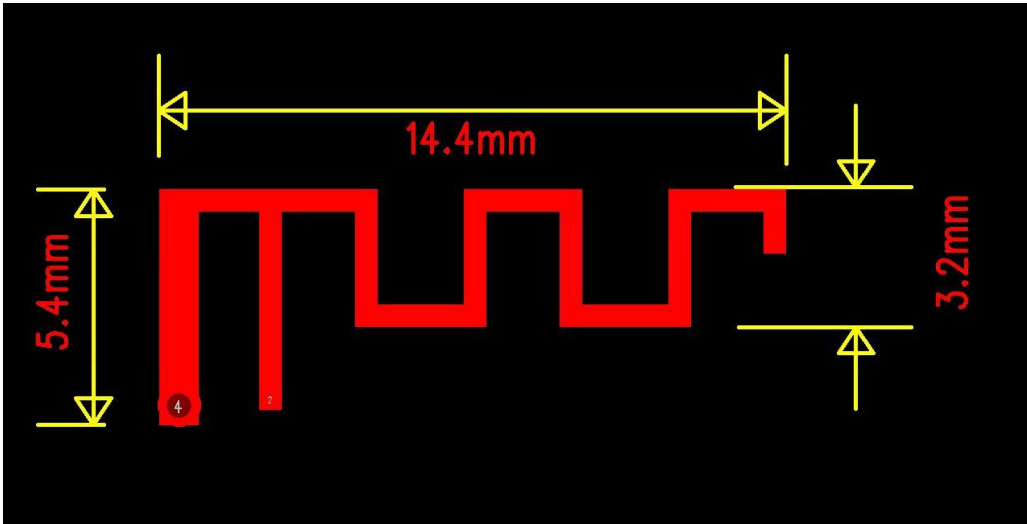
Manufacturer: Foshan Shunke Electronics Co., LTD
Address: No. 15-6, ChuangyeRoad, Sanhongqicomunity, BeijiaoTown, Foshan

QuickReferenceDate

	Antenna module on the system board	
Model Name	Inverted F-type onboard antenna (倒F型板载天线)	
Antenna type	PCB	
Frequency	2.402--2480MHZ	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 outputpower)	
Tot. Rad.Pwr. (dBm)	-2.3 (Input pwr?losspwr)	
Peak EIRP (dBm)	1.3	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	-2.3 (58.5%)	
Gain (dBi)	1.7 (Peak Gain XZ-plane)	
Maximum Power (dBm)	1.3 (XY-plane)	
Minimum Power (dBm)	-4 (XY-plane)	
Avg. Power (dBm)	-0.5 (XY-plane)	
Max/Min Ratio (dB)	5.3 (XY-plane)	
Max/Avg Ratio (dB)	1.8 (XY-plane)	
Min/Avg Ratio (dB)	-3.5 (XY-plane)	
Average Gain (dB)	-0.5 (Avg Gain XY-plane)	

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

Antenna Layout & module on the system board



Antenna Gain

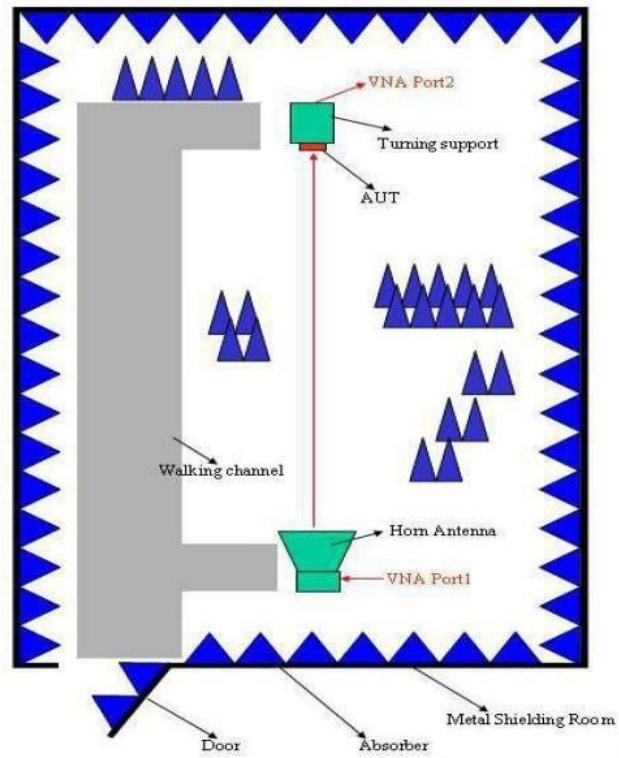
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.3	-0.5	1.7	-3.8	1.1	-3.0	58.5%

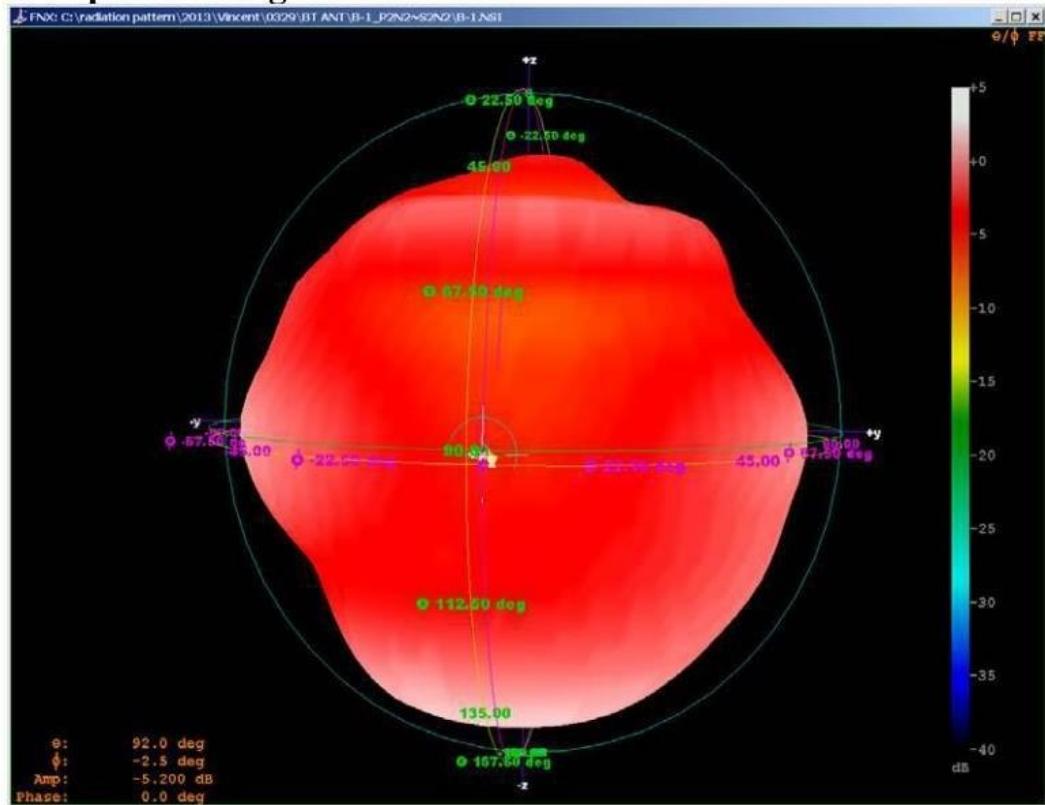
Return Loss



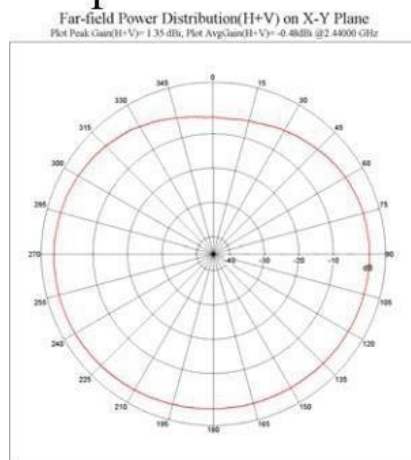
The Environment of Antenna Radiation Pattern



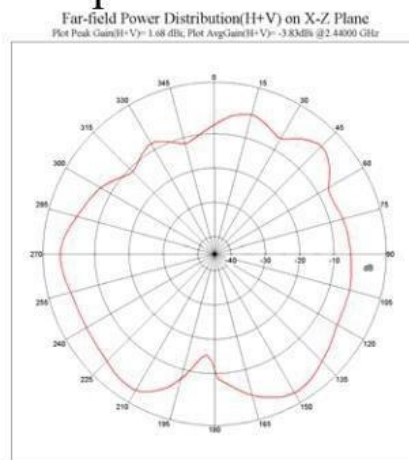
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

