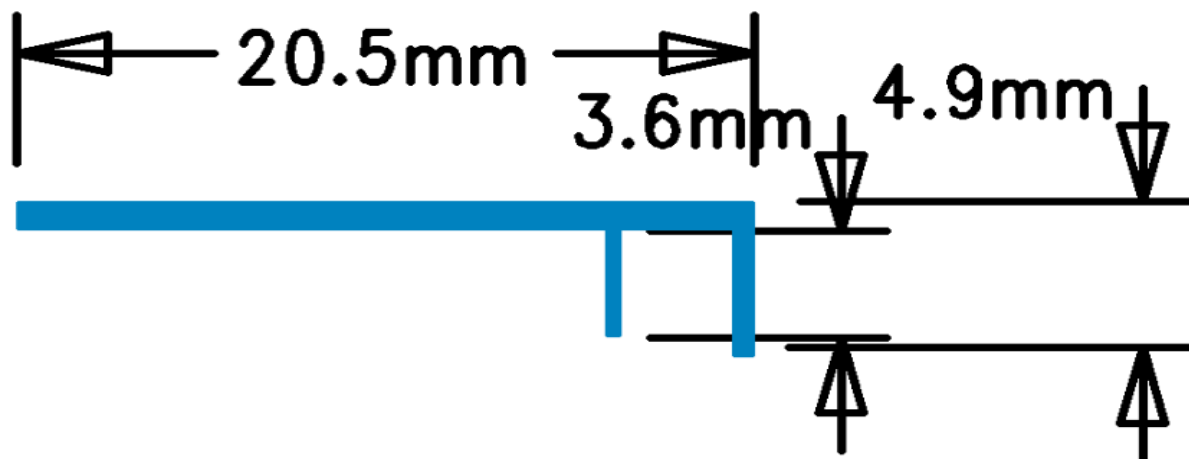


Antenna data sheet

Quick Reference Data

Antenna type	Antenna module on the system board
Frequenc Range	2400 ~ 2480.5MHz
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)	60.2 %
Gain (dBi)	1.9 (Peak Gain XZ-plane)
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
Manufacturer	Shenzhen Xiangyuan Circuit Board Technology Co., Ltd
Address	529, Block A, Huafeng Zhigu-Hangcheng High-tech Industrial Park, Bao'an District, Shenzhen, China

Antenna Layout & module on the system board

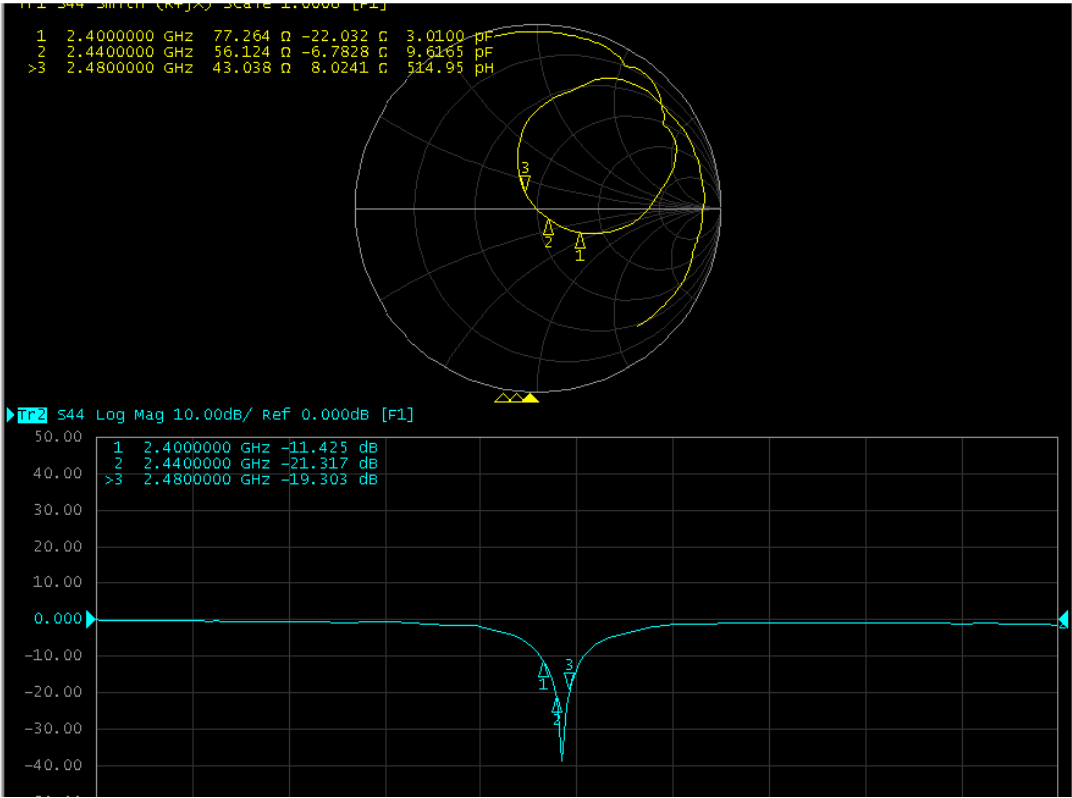


Antenna Gain

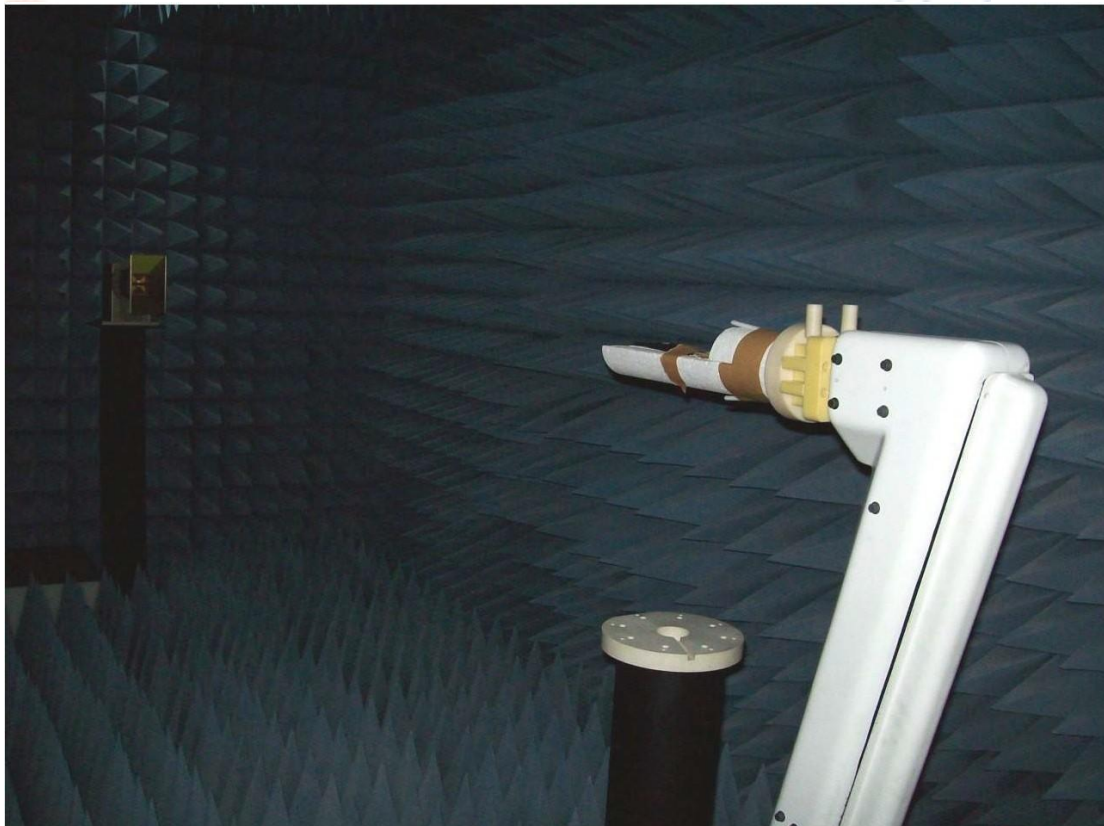
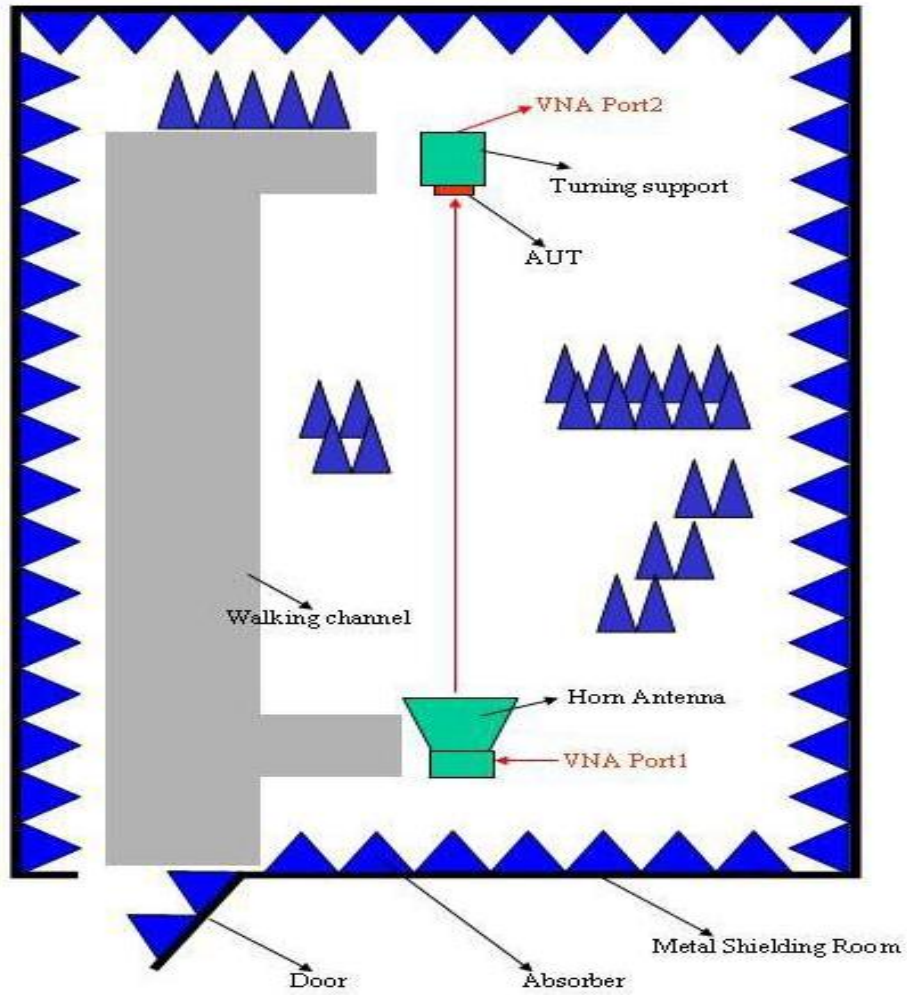
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.2	-0.5	1.9	-3.6	1.1	-3.0	60.2 %

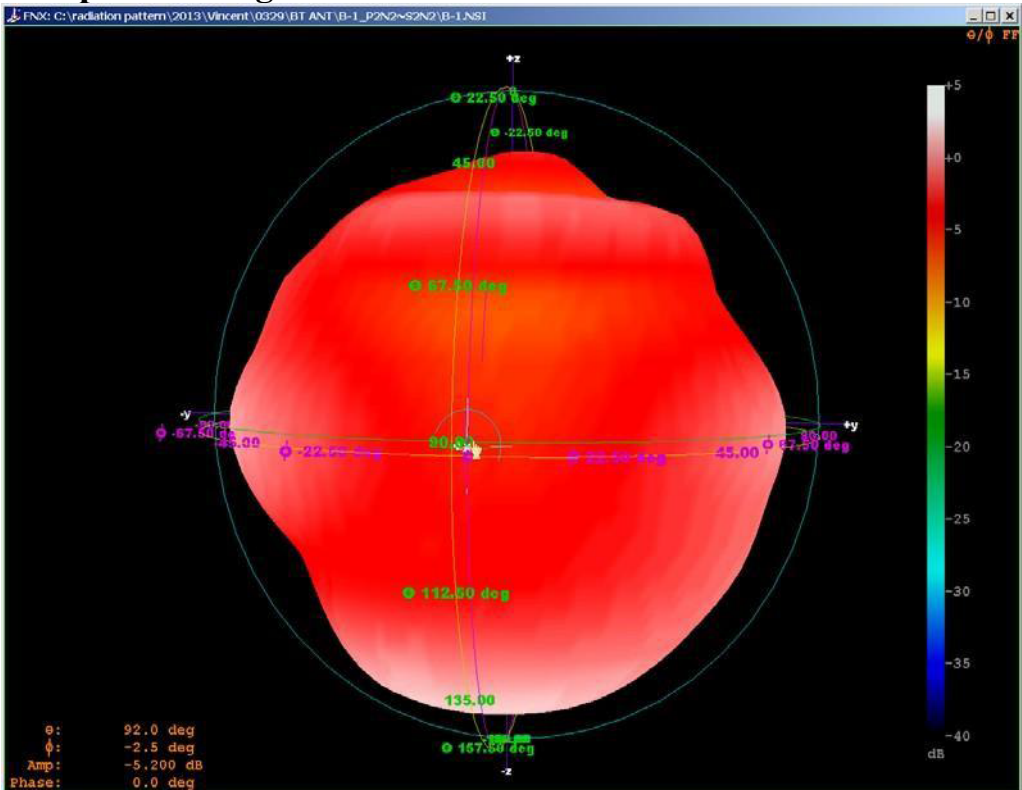
Return Loss



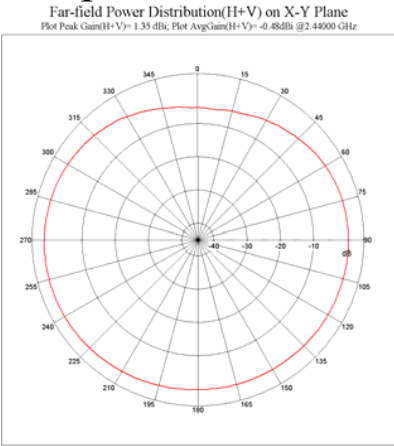
The Environment of Antenna Radiation Pattern



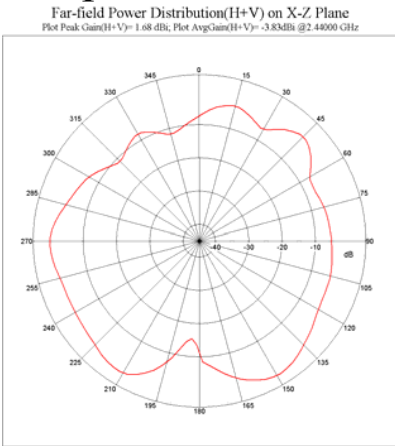
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

