

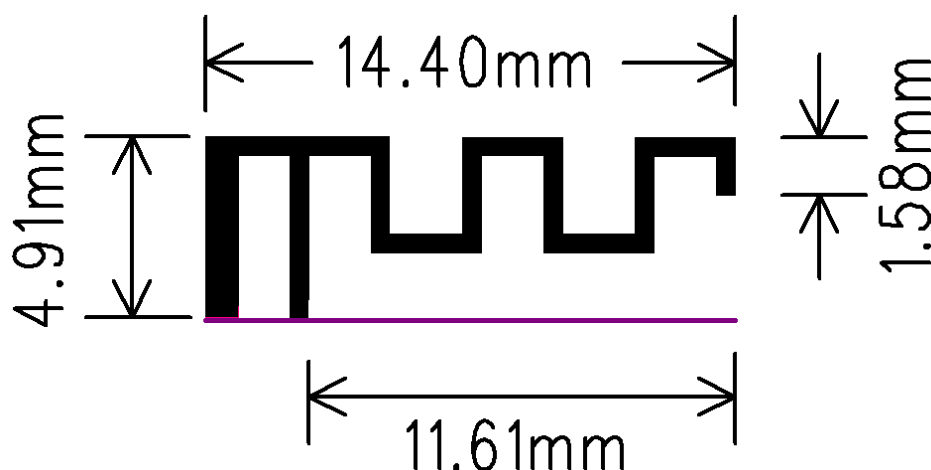
Product specification

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)	-1.2 (Input pwr – loss pwr)
Peak EIRP (dBm)	1.2
Directivity (dBi)	1 (all direction antenna)
Efficiency (dB)	6 0.2 %
Gain (dBi)	1.9 (Avg Gain XY-plane)
Maximum Power (dBm)	1.7 (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
Manufacture	SHANGJAIN MOUNTAIN VIEW SILICON TECHNOLOGV CO LTD
Address	4c, Building 3, Hengyue International Building, Lane 1238, Zhangjiang Road, Pudong New Area, Shanghai

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

Antenna Layout & module on the system board

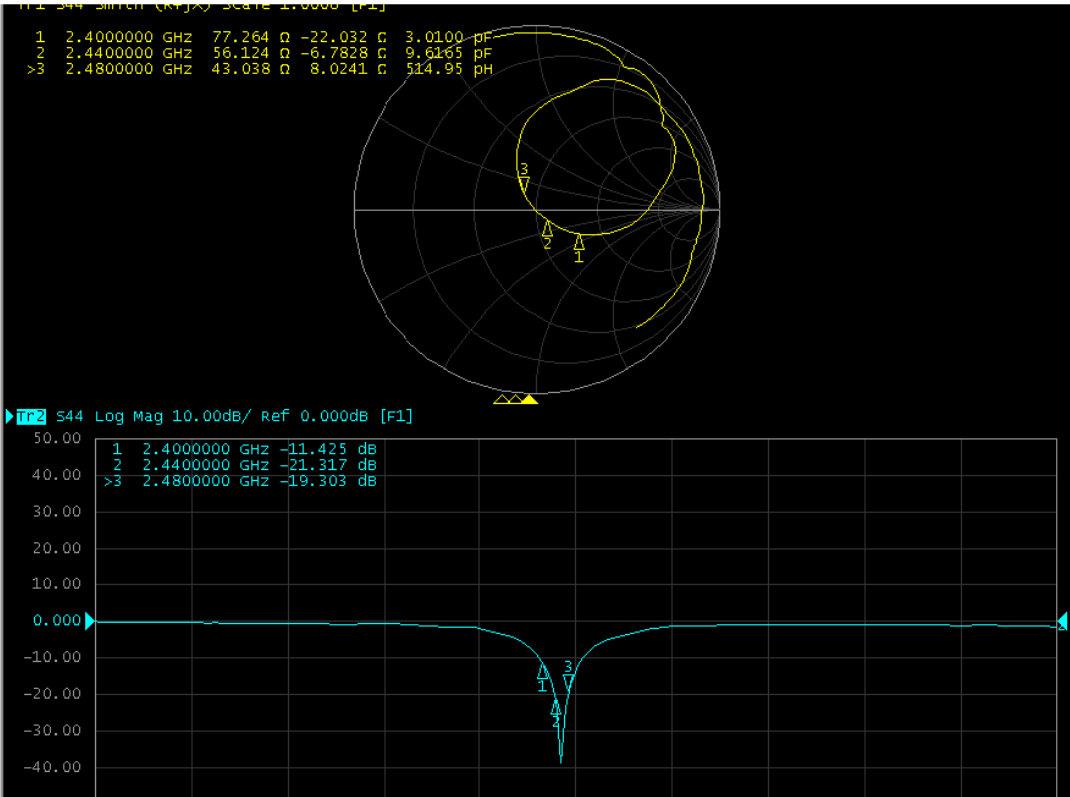


Antenna Gain

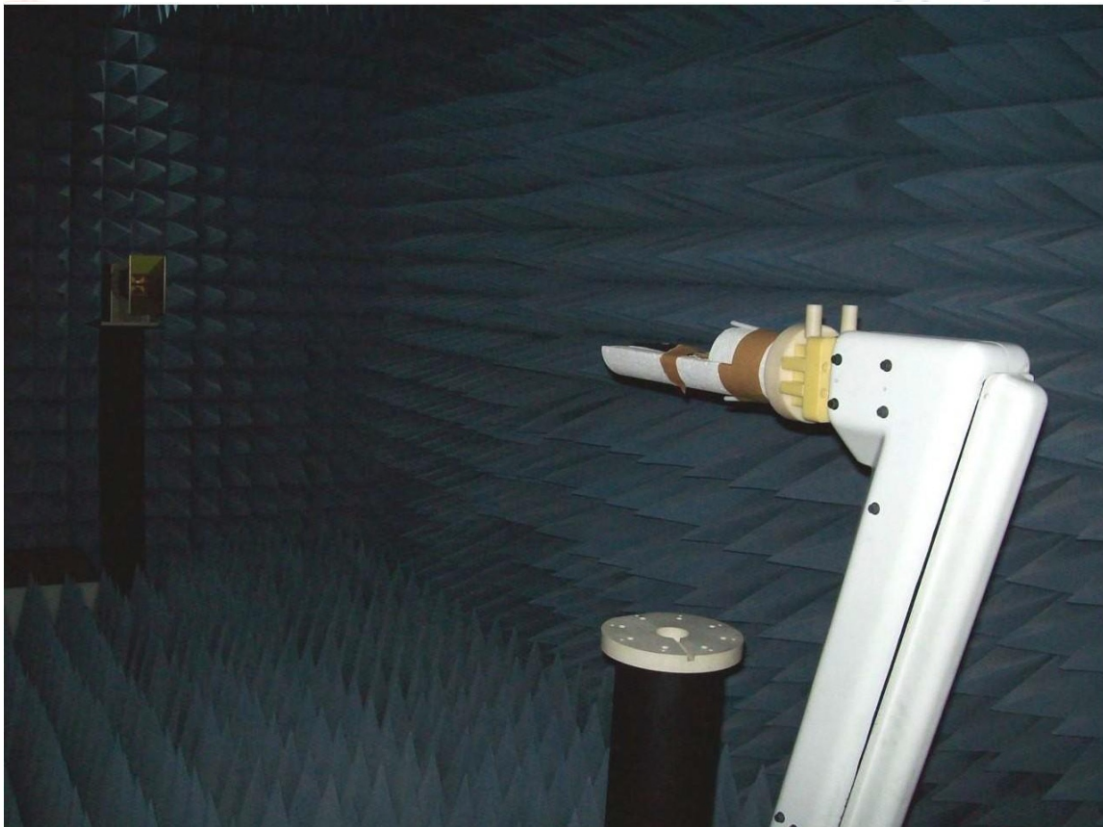
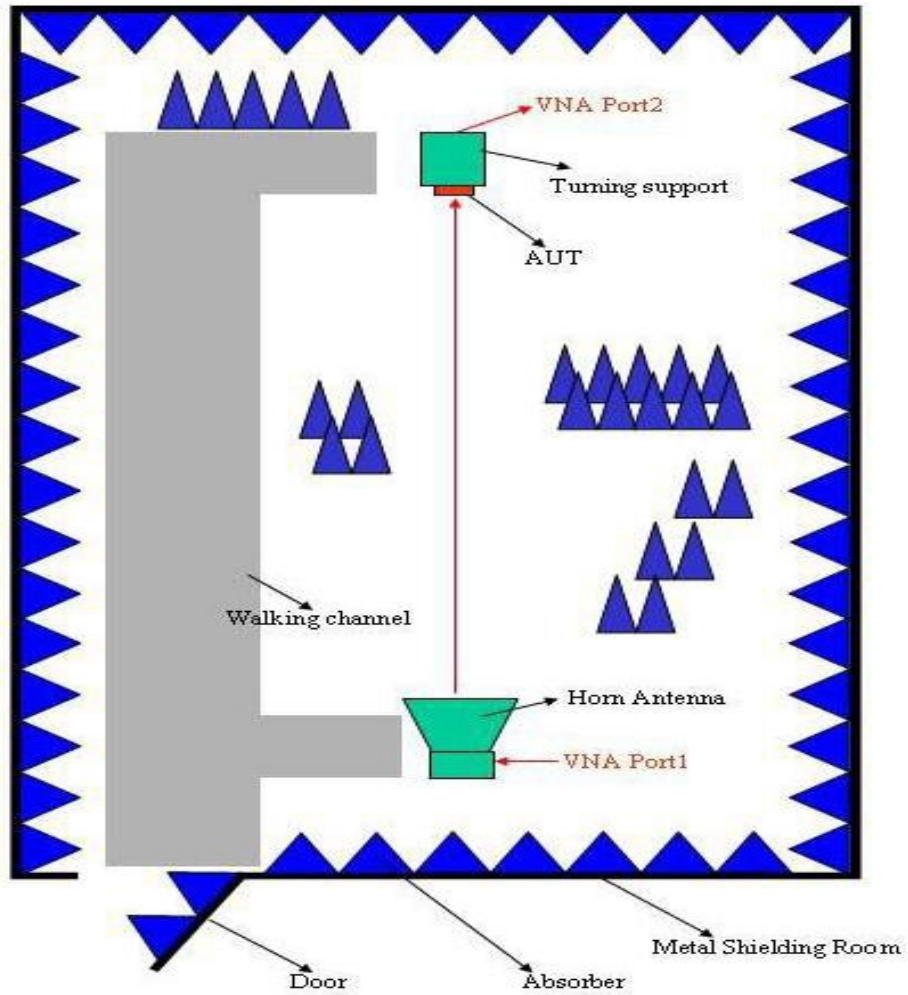
Gain Table

Unit in dBi @244GHz	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	6 0.2 %

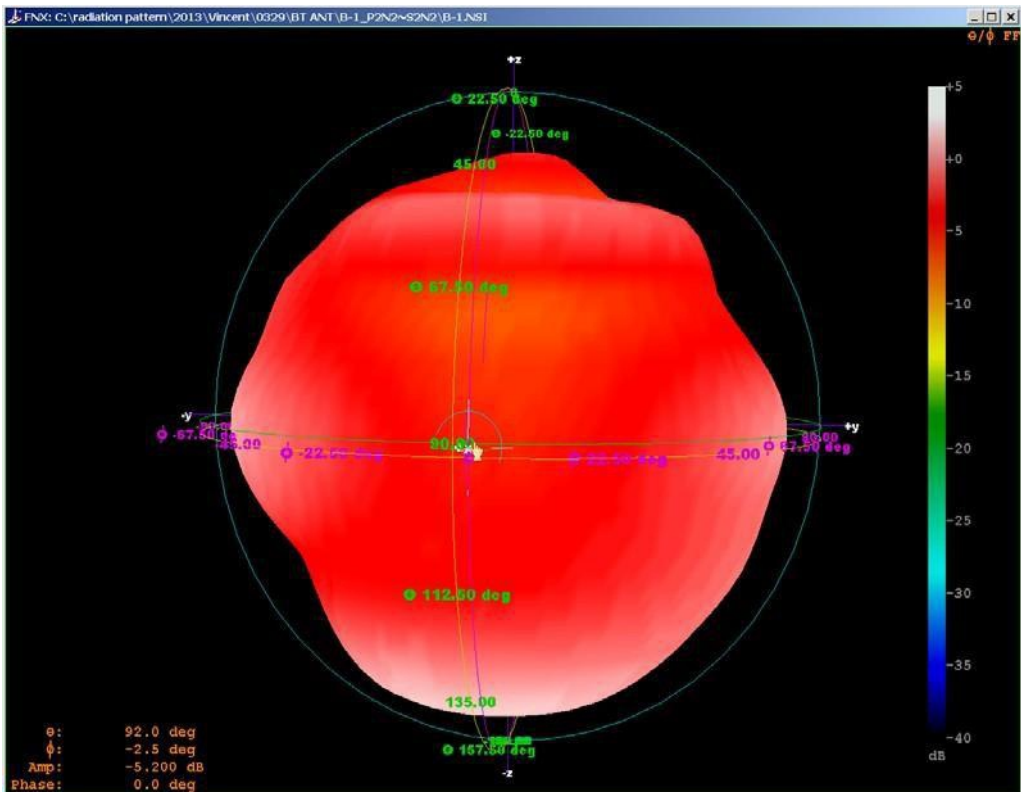
Return Loss



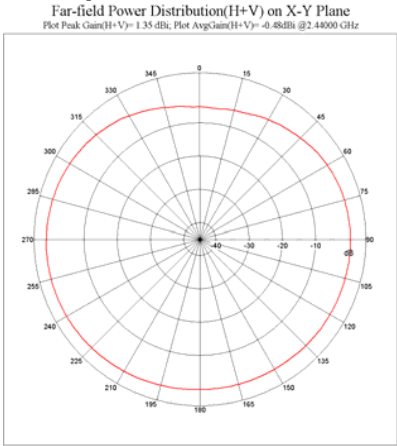
The Environment of Antenna Radiation Pattern



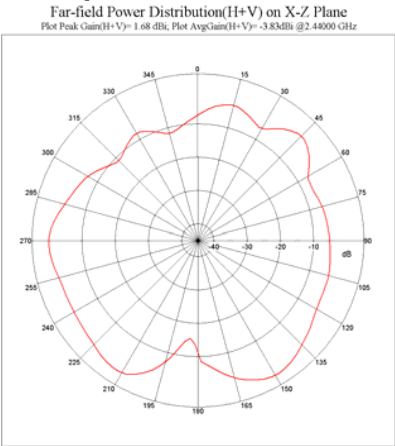
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

