

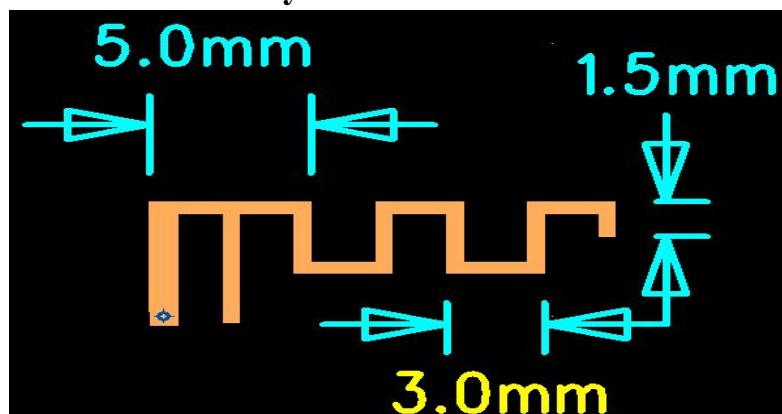
Product specification

Quick Reference Data

	Antenna module on the system board	
Frequenc Range	2402 ~ 2480MHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.35 (Input pwr – loss pwr)	
Peak EIRP(dBm)	1.35	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	54.2 %	
Gain (dBi)	2	
Maximum Power (dBm)	1.39(XY-plane)	
Minimum Power (dBm)	-0.48(XY-plane)	
Avg. Power (dBm)	-0.435(XY-plane)	
Input Impendence(ohm)	50	
Polarization Type	V ertical & Horizontal	
V . S .W . R	< 1.4	

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

Antenna Layout & module on the system board

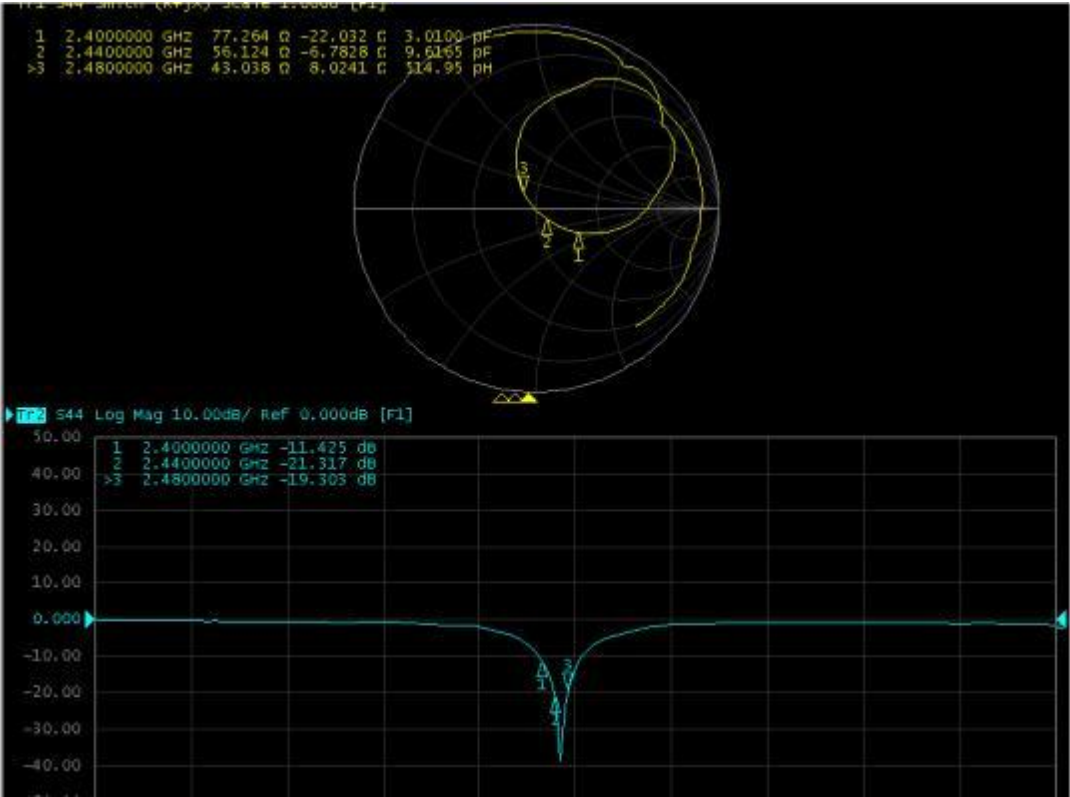


Antenna Gain

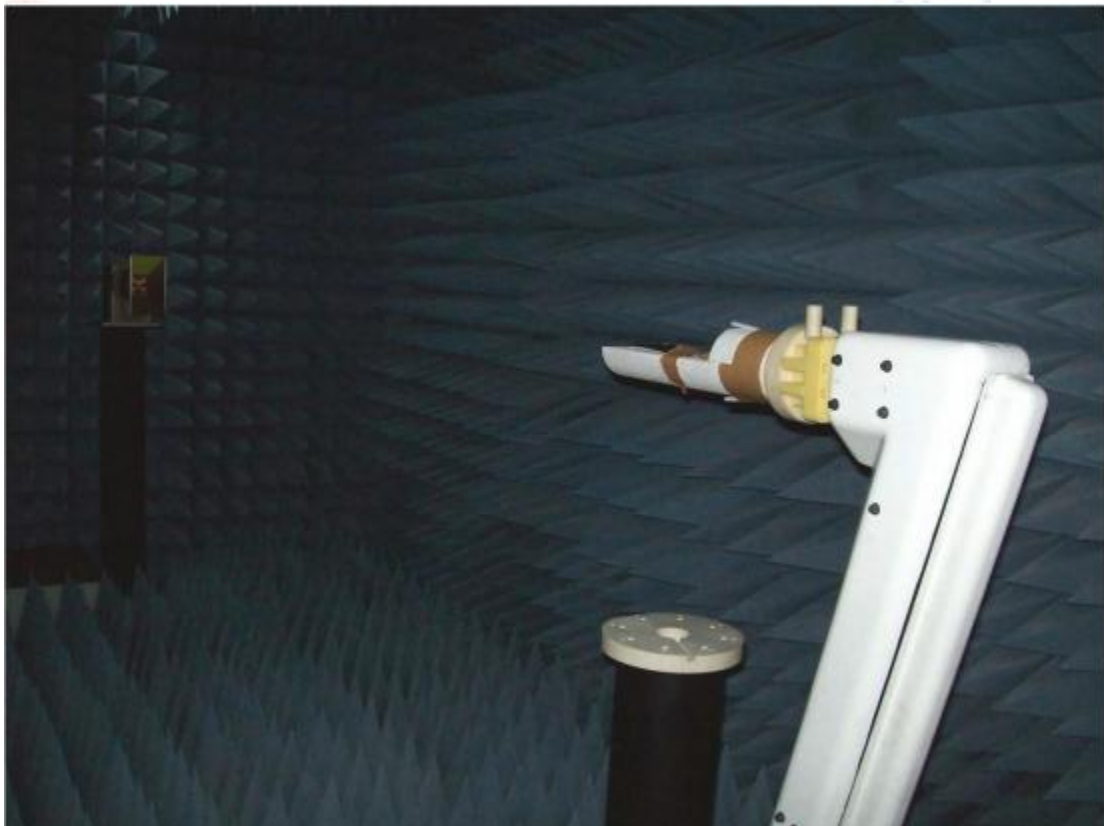
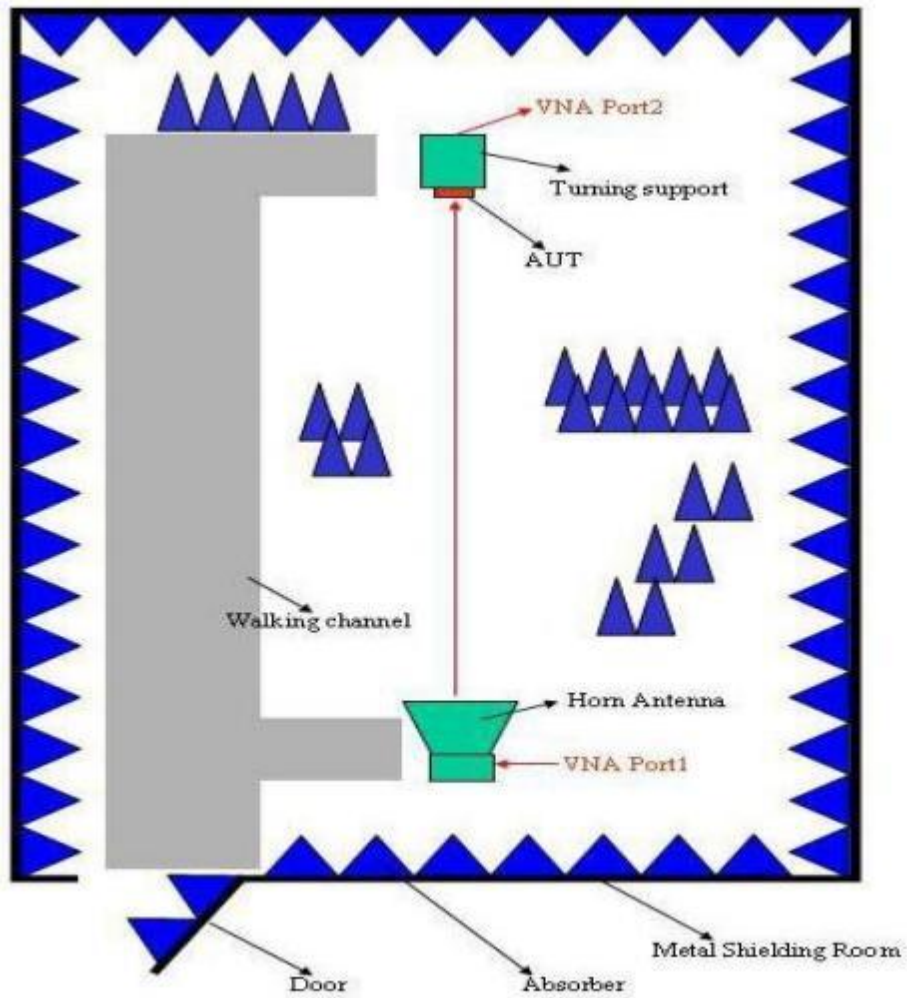
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.39	-0.78	2	-3.88	1.1	-2.99	54.2 %

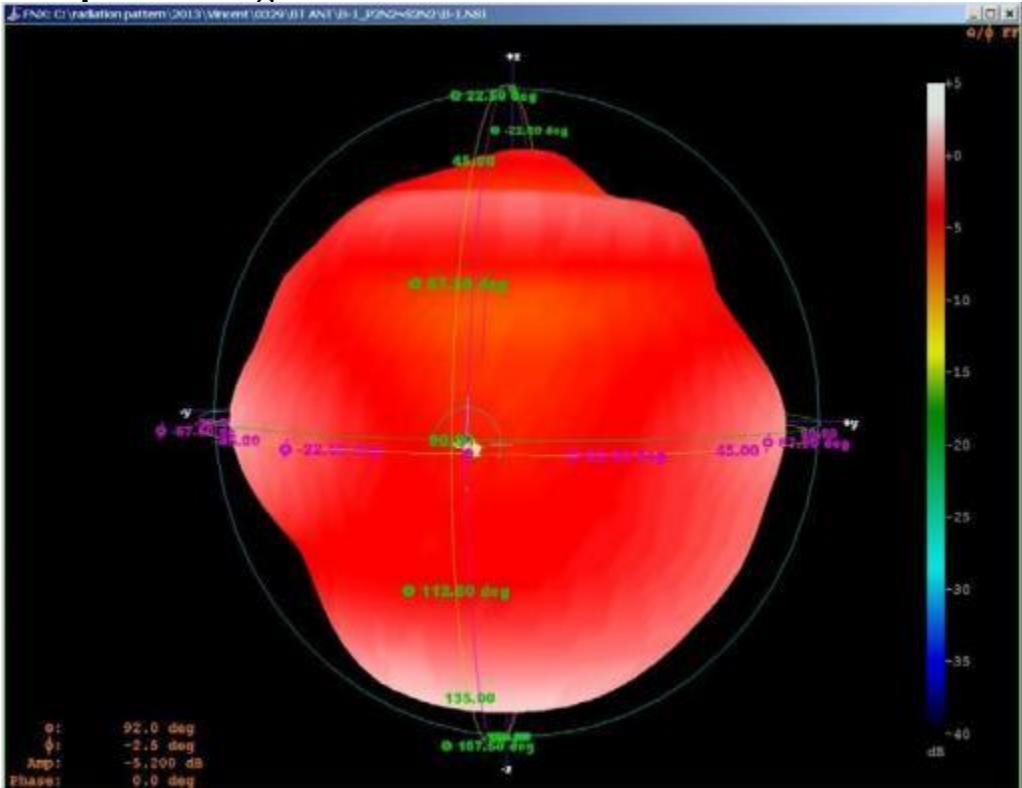
Return Loss



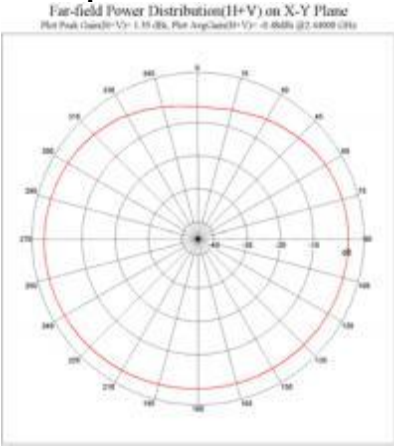
The Environment of Antenna Radiation Pattern



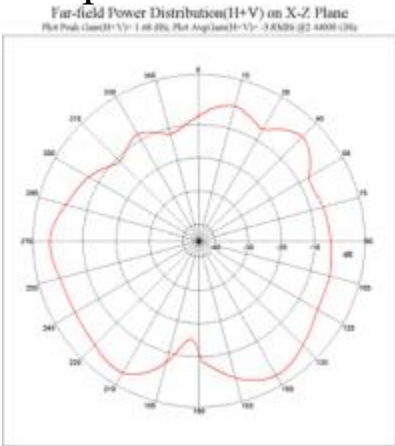
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

