

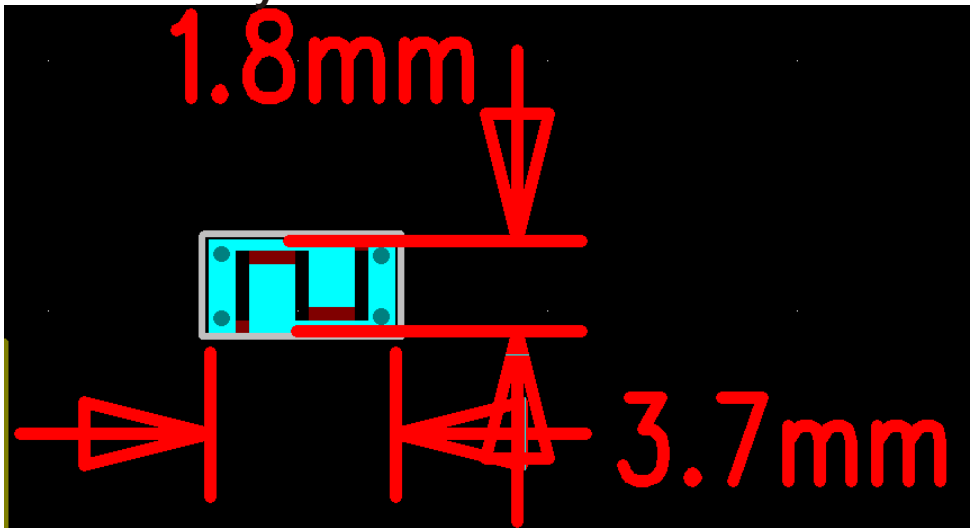
Product specification

Quick Reference Data

	Antennamodule on the system board	
Frequenc Range	2400 ~ 2500MHz	
Ant.Port InputPwr. (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 Impedence (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

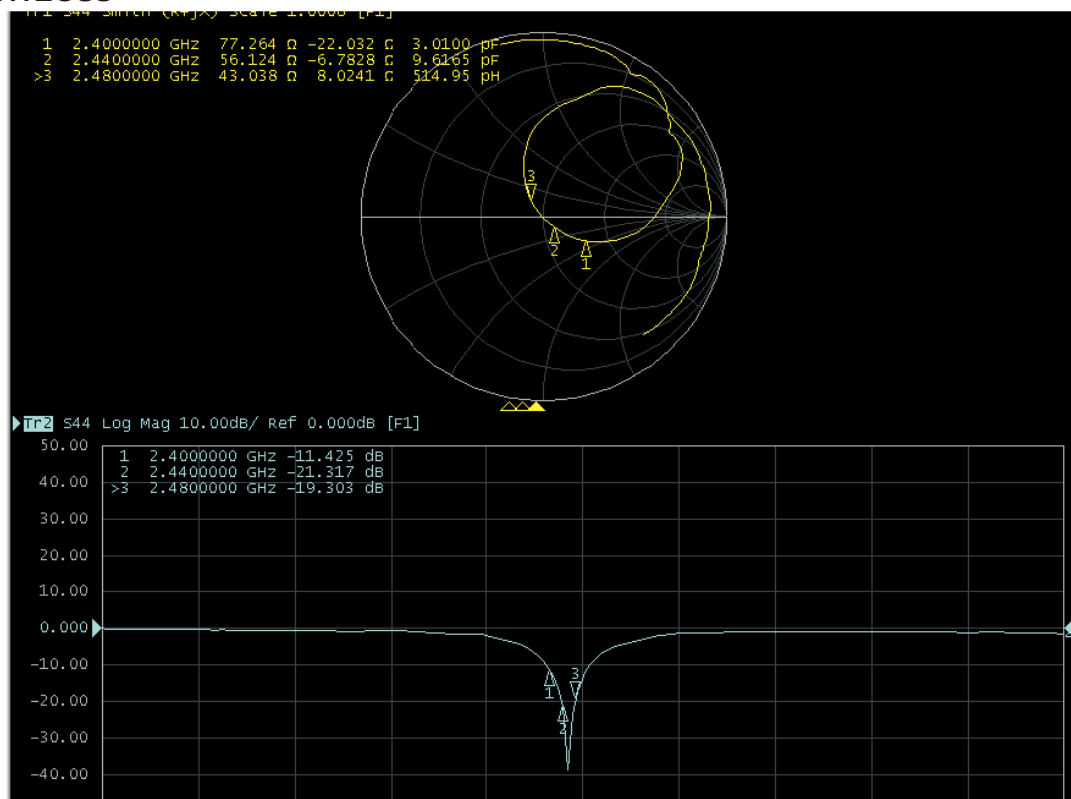


Antenna Gain

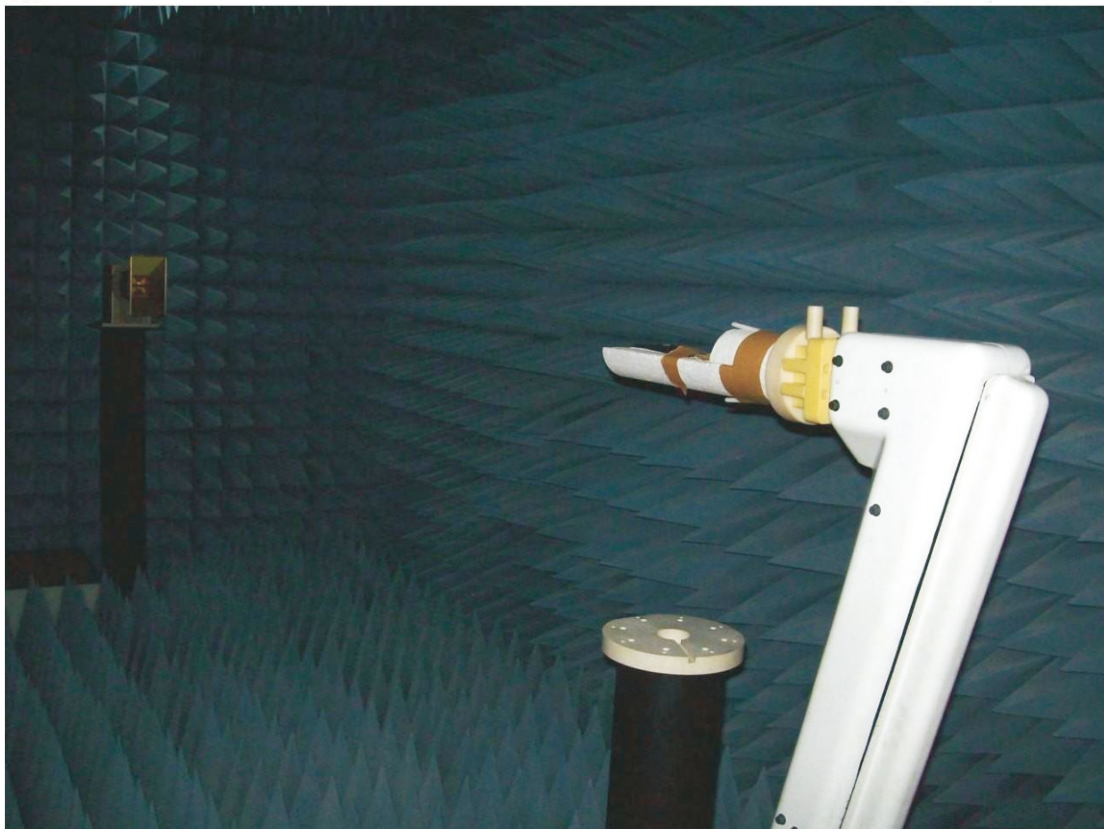
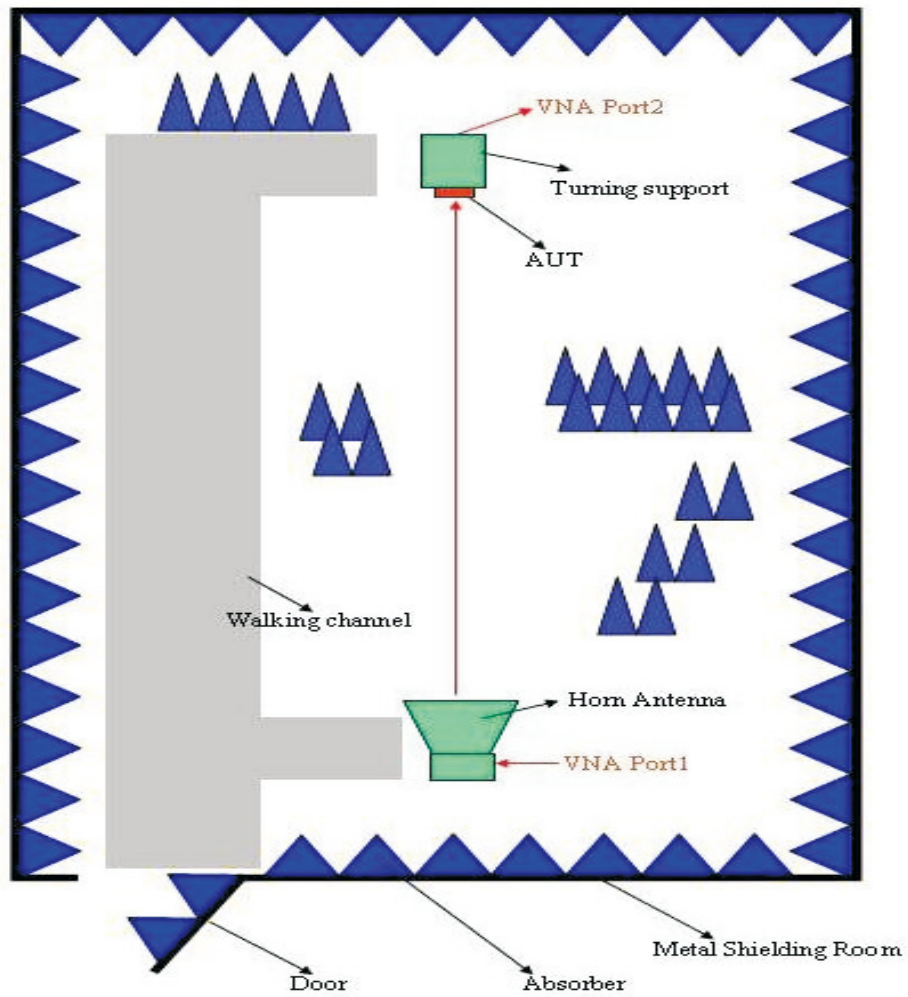
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.2	-0.5	1.9	-3.6	1.1	-3.0	6 0.2%

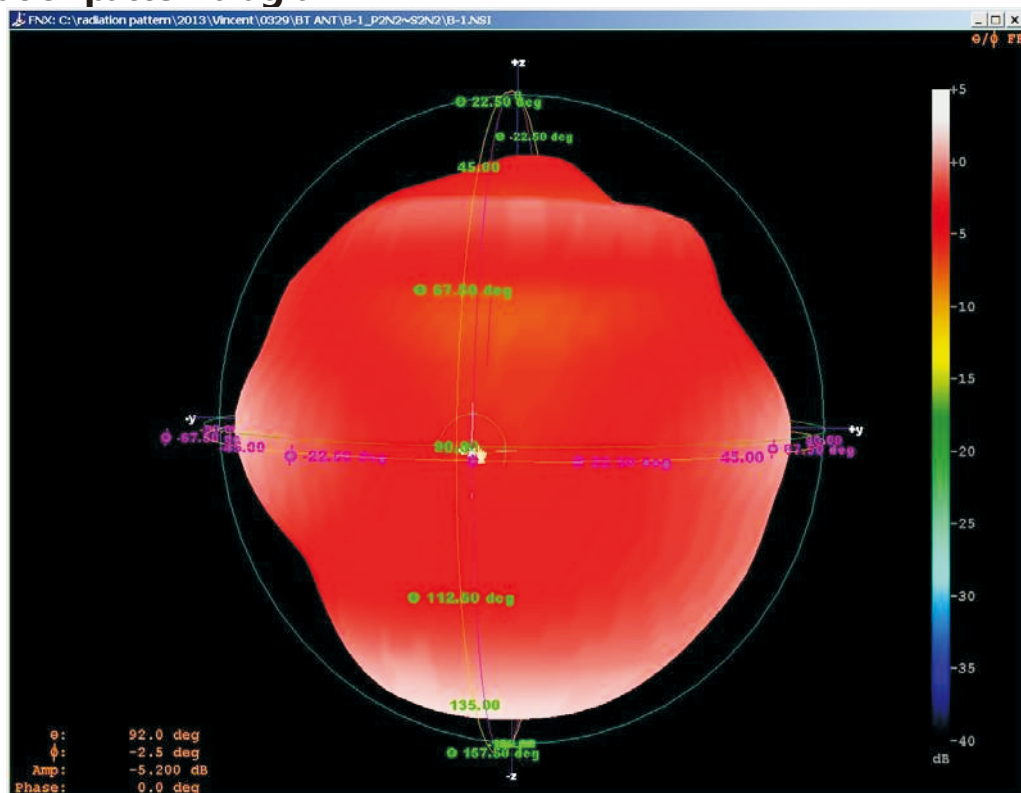
ReturnLoss



The Environment of Antenna Radiation Pattern

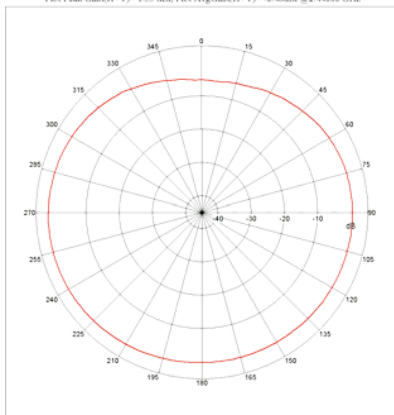


3D radiation pattern diagram



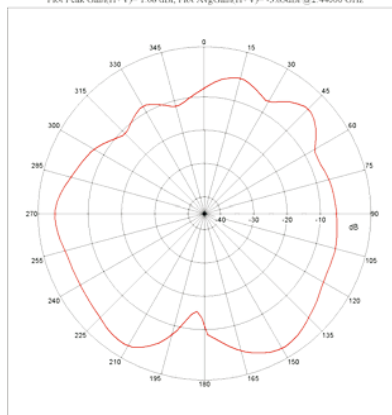
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.35 dBi, Plot AvgGain(H+V)= -0.48dBi @2.44000 GHz



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 1.68 dBi, Plot AvgGain(H+V)= -3.83dBi @2.44000 GHz



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.11 dBi, Plot AvgGain(H+V)= -2.99dBi @2.44000 GHz

