

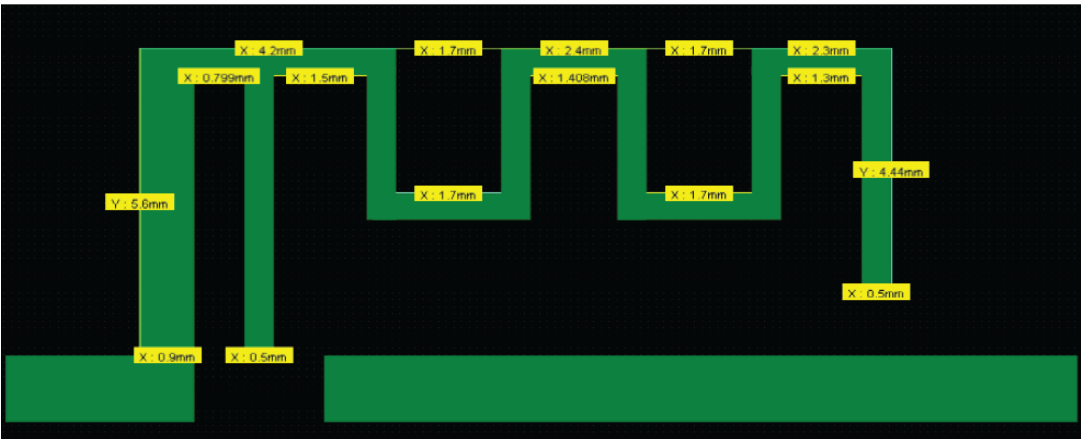
Product specification

Quick Reference Date

	Antennamodule on the system board	
Frequenc Range	2400 ~ 2500MHz	
Ant.Port InputPwr. (dBm)	0 (Typ.BT class 2 outputpower)	
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)	1.68 (Avg Gain XY-plane)	
MaximumPower (dBm)	1.7 (XY-plane)	
MinimumPower (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
InputImpedence(ohm)	50	
PolarizationType	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

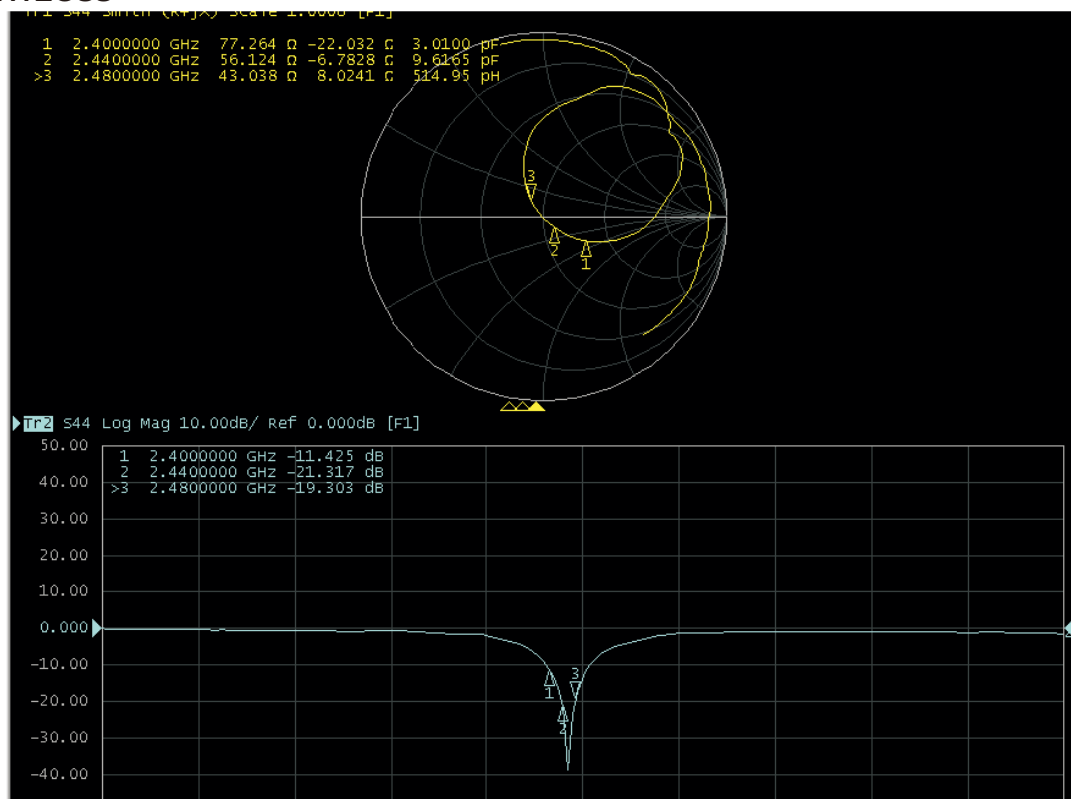


Antenna Gain

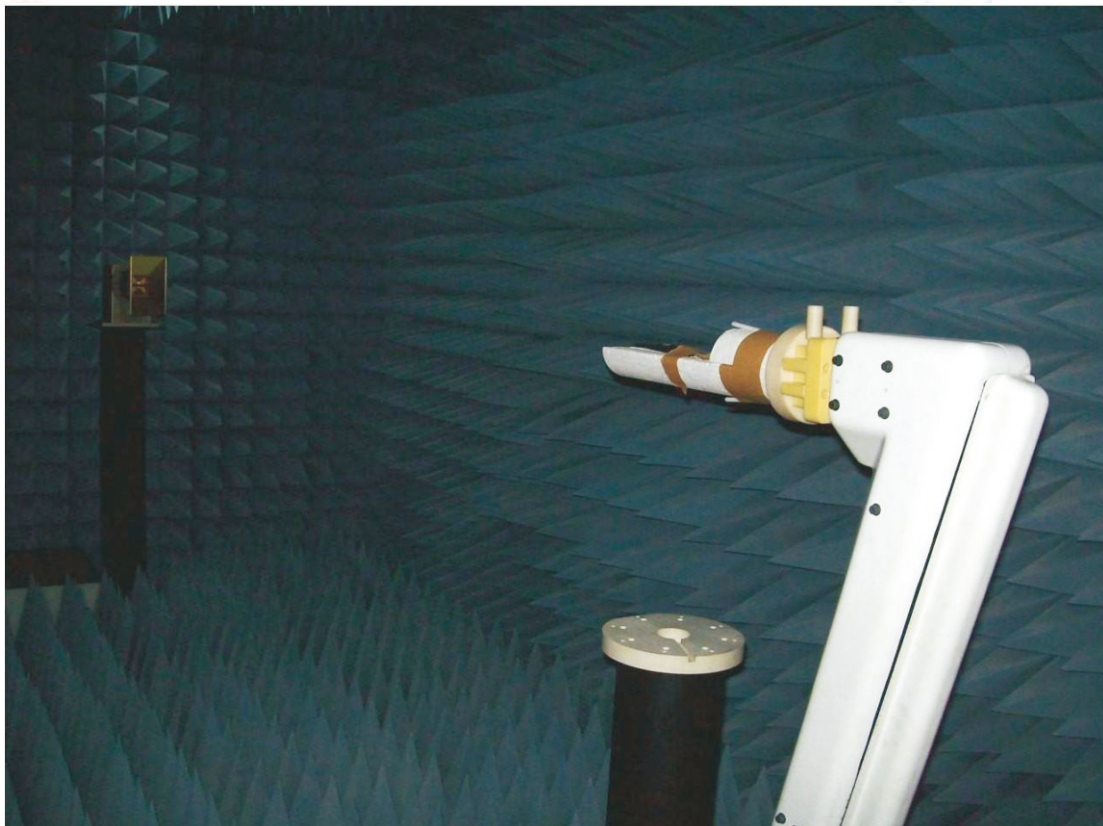
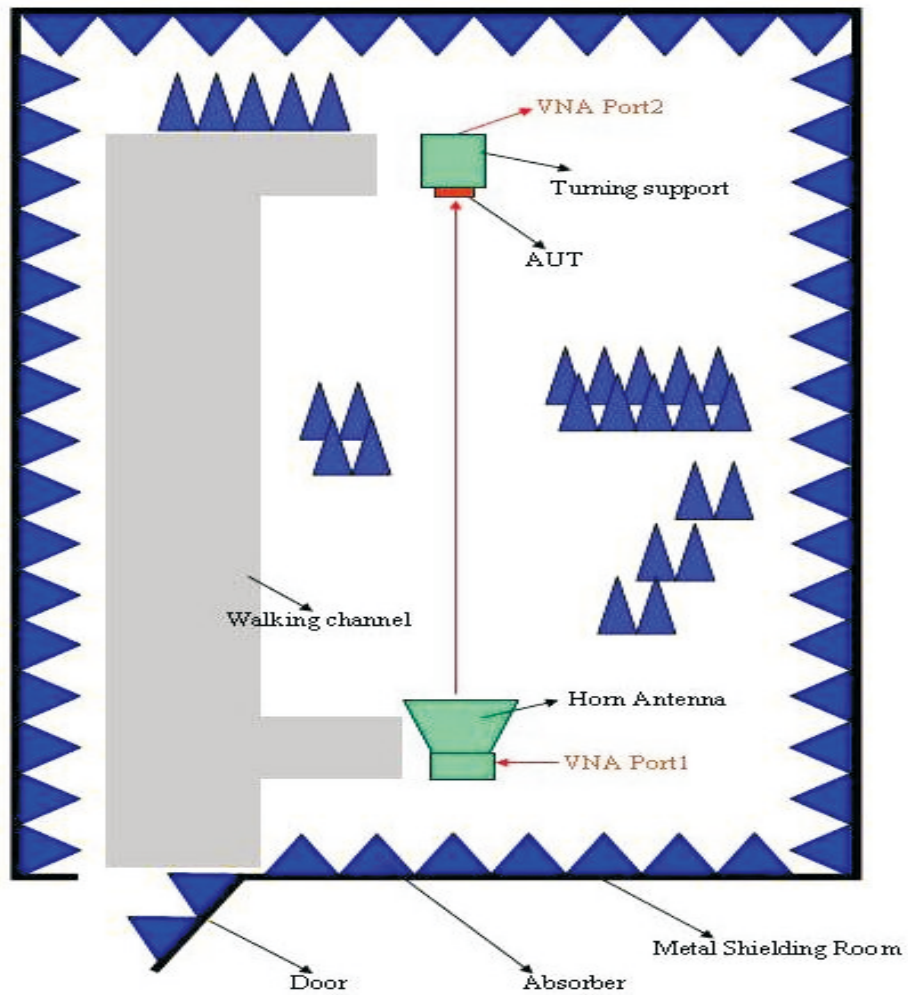
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.35	-0.48	1.68	-3.83	1.11	-2.99	6 0.2%

ReturnLoss



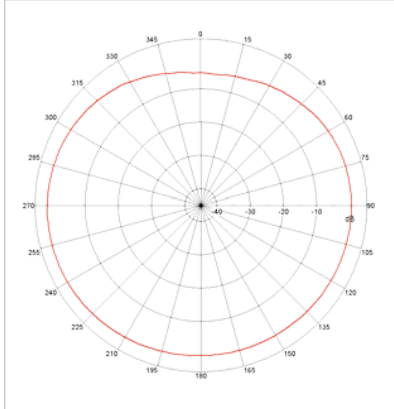
The Environment of Antenna Radiation Pattern



radiation pattern diagram

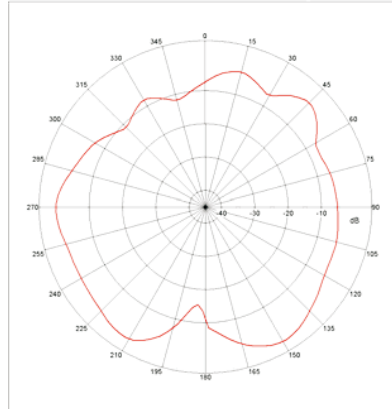
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.35 dBi, Plot AvgGain(H+V)= -0.86dBi @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

