

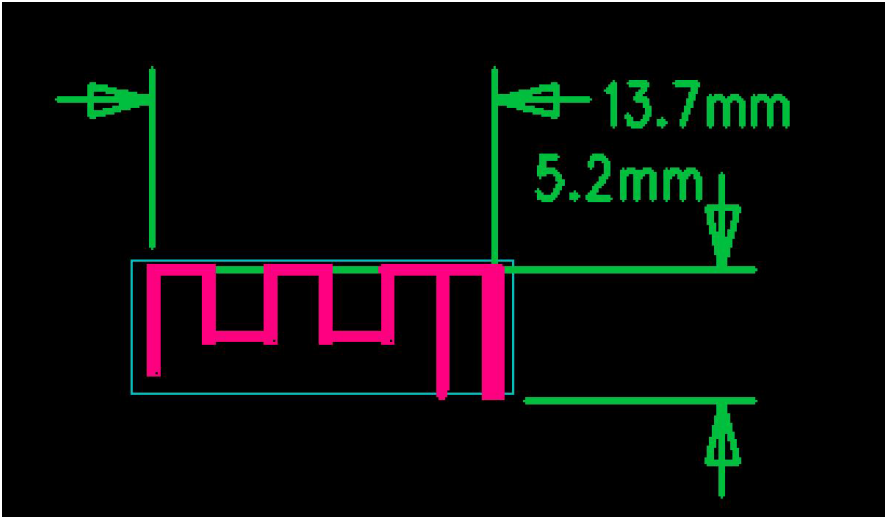
Product specification

Quick Reference Data

	Antenna module on the system board	
Frequenc Range	2400 ~ 2500GHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr – loss pwr)	
Peak EIRP(dBi)	1.2	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	60.2 %	
Peak Gain (dBi)	1.2 dBi	

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

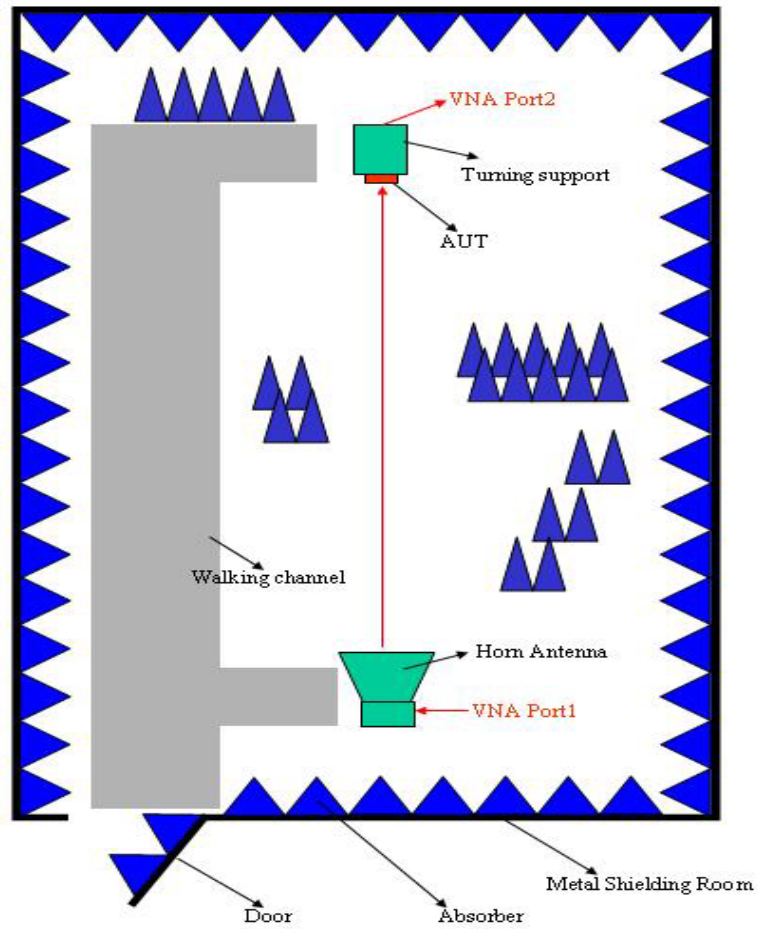
Antenna Layout & module on the system board



Return Loss



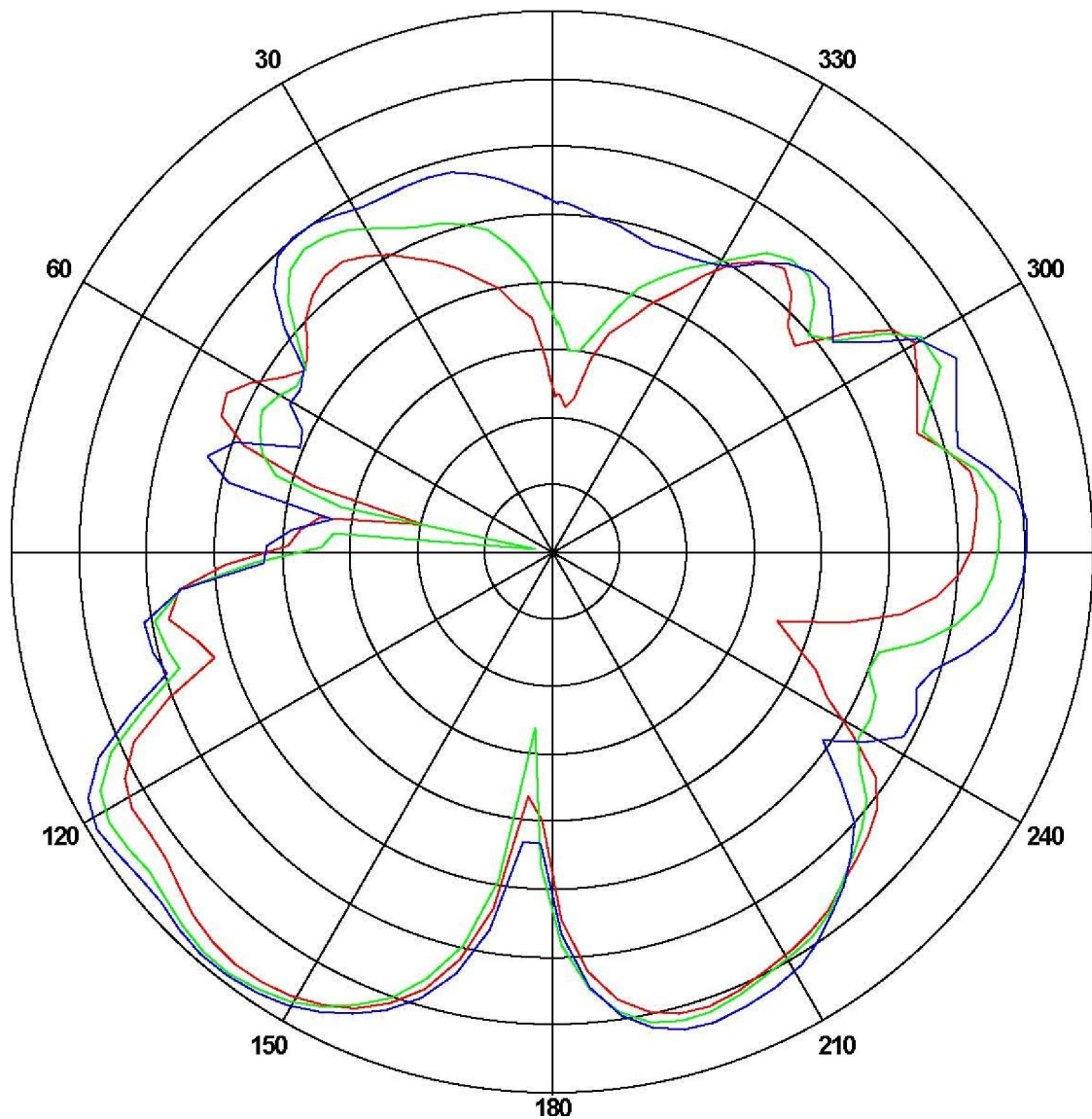
The Environment of Antenna Radiation Pattern



Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: 0 Min: -40 Scale: 5/div

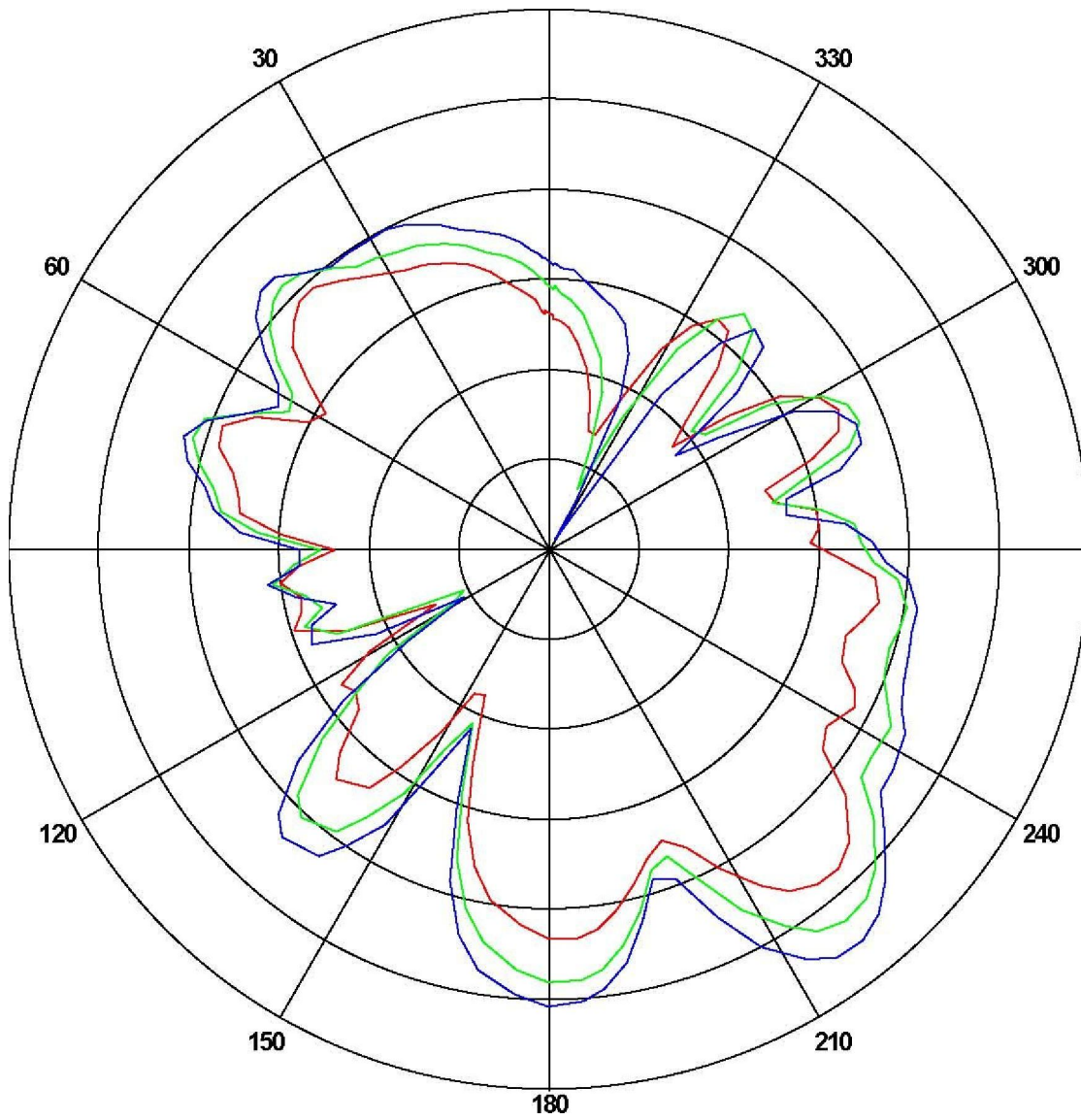


Frequency (MHz)	Gain(dBi)		
	Max.	Min.	Avg.
2400	-1.66179	-30.2813	-8.78713
2450	-0.847811	-38.7595	-7.87812
2500	1.24596	-23.6329	-6.99139

Vertical: 2400 MHz 2450 MHz 2500 MHz

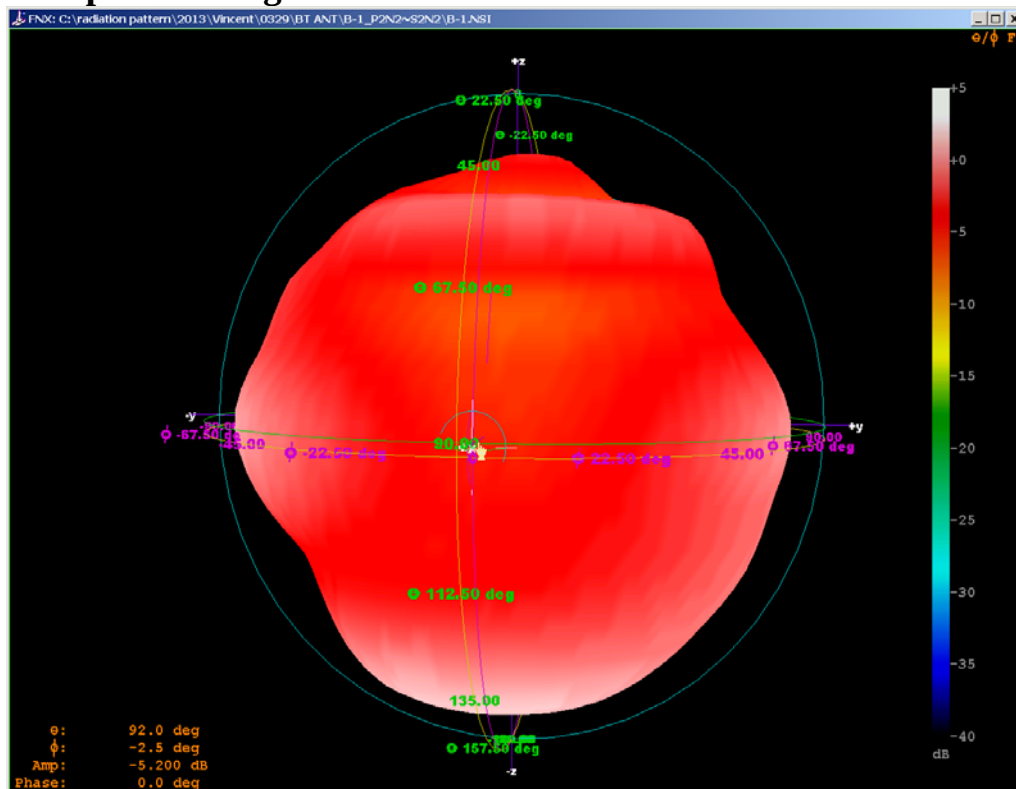
Power (dBm) Max: 0 Min: -30

Scale: 5/div



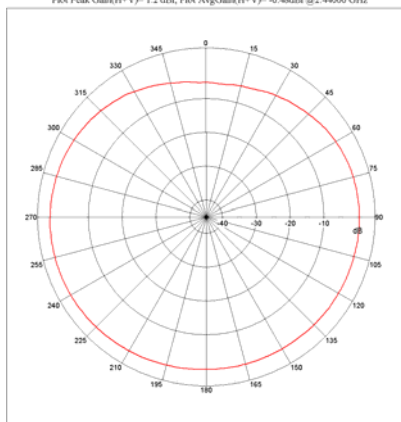
Frequency (MHz)	Gain(dBi)		
	Max.	Min.	Avg.
2400	-6.1623	-23.1425	-12.5295
2450	-3.6534	-26.2866	-10.6699
2500	-2.21101	-29.4381	-9.58526

3D radiation pattern diagram



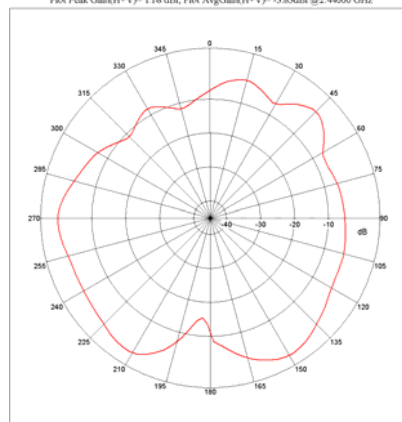
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.2 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)= 1.18 dBi; Plot AvgGain(H+V)= -3.83dBi @ 2.4400 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

