

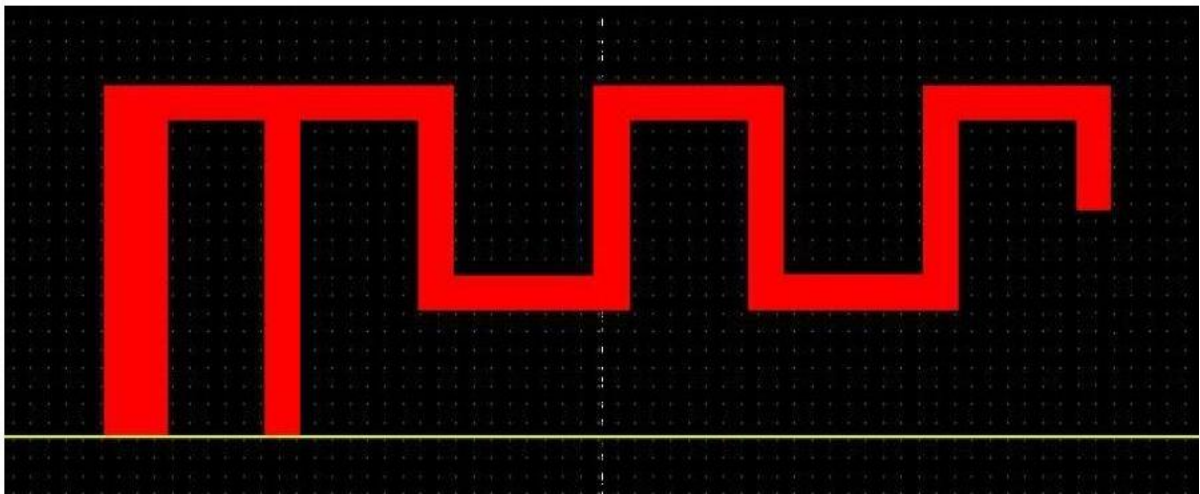
Product specification

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)	60.2%	
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

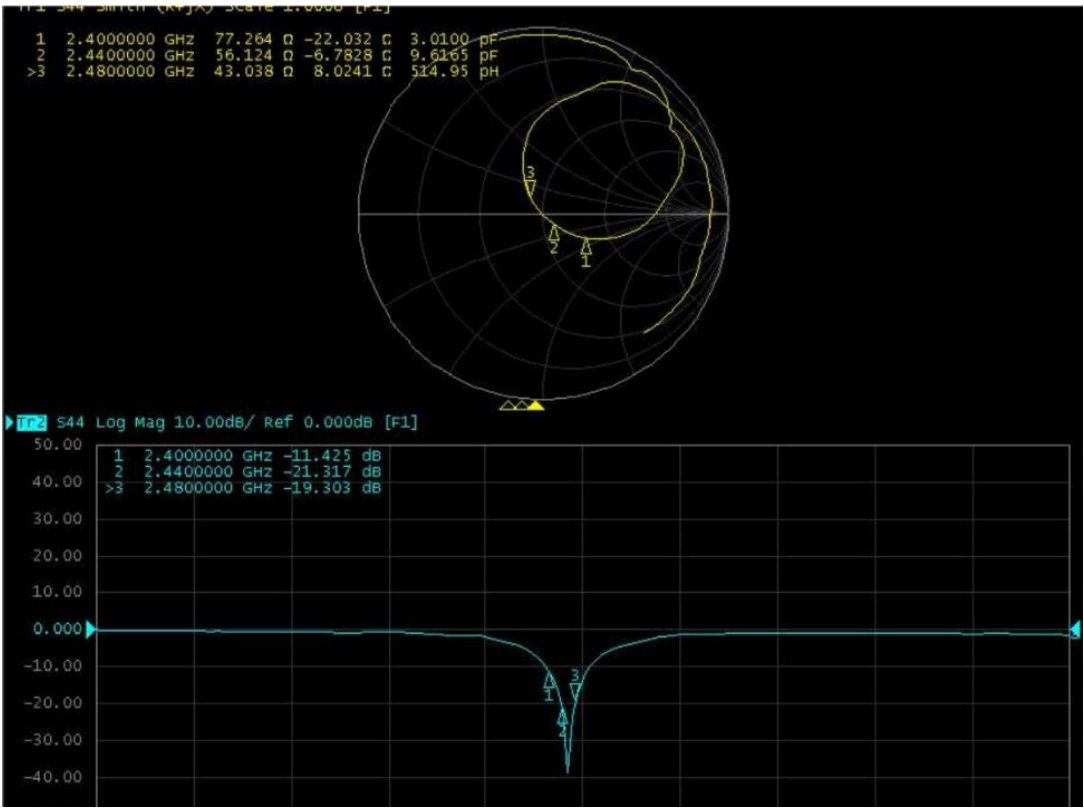
Gain Table

Unit in dBi@2.4GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.1	-0.4	1.7	-3.5	1.0	-2.9	60.1%

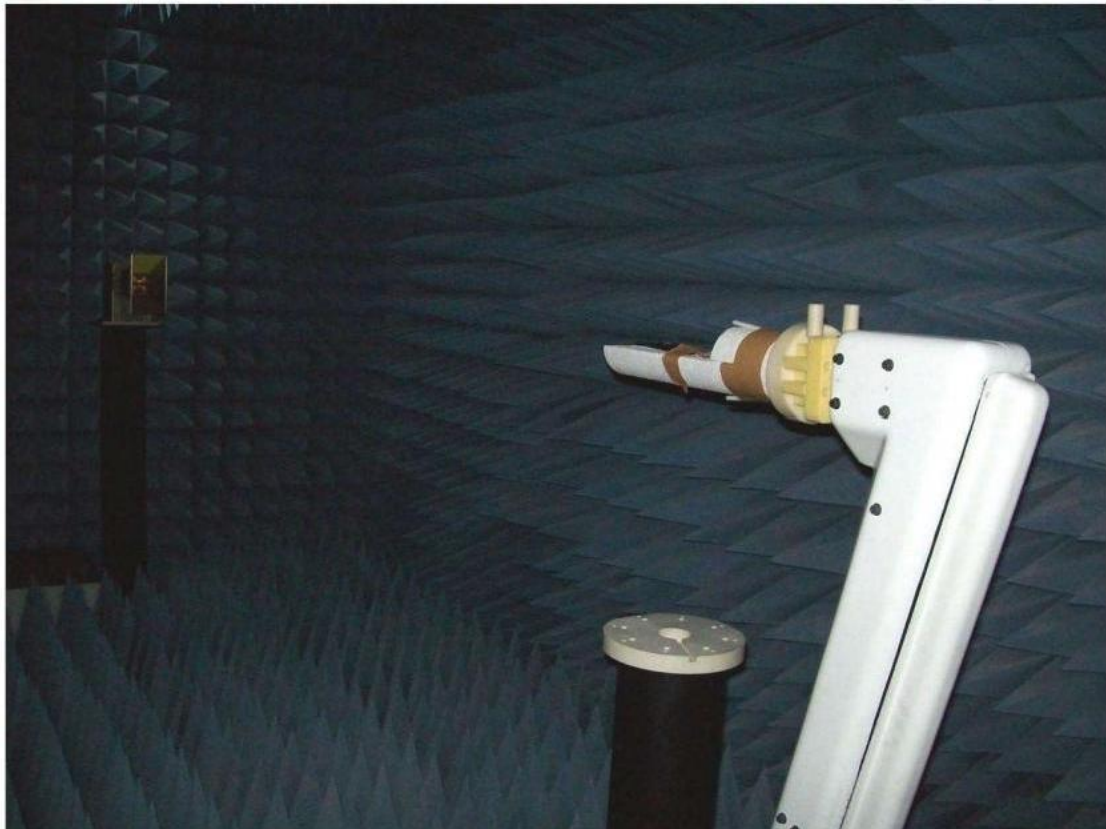
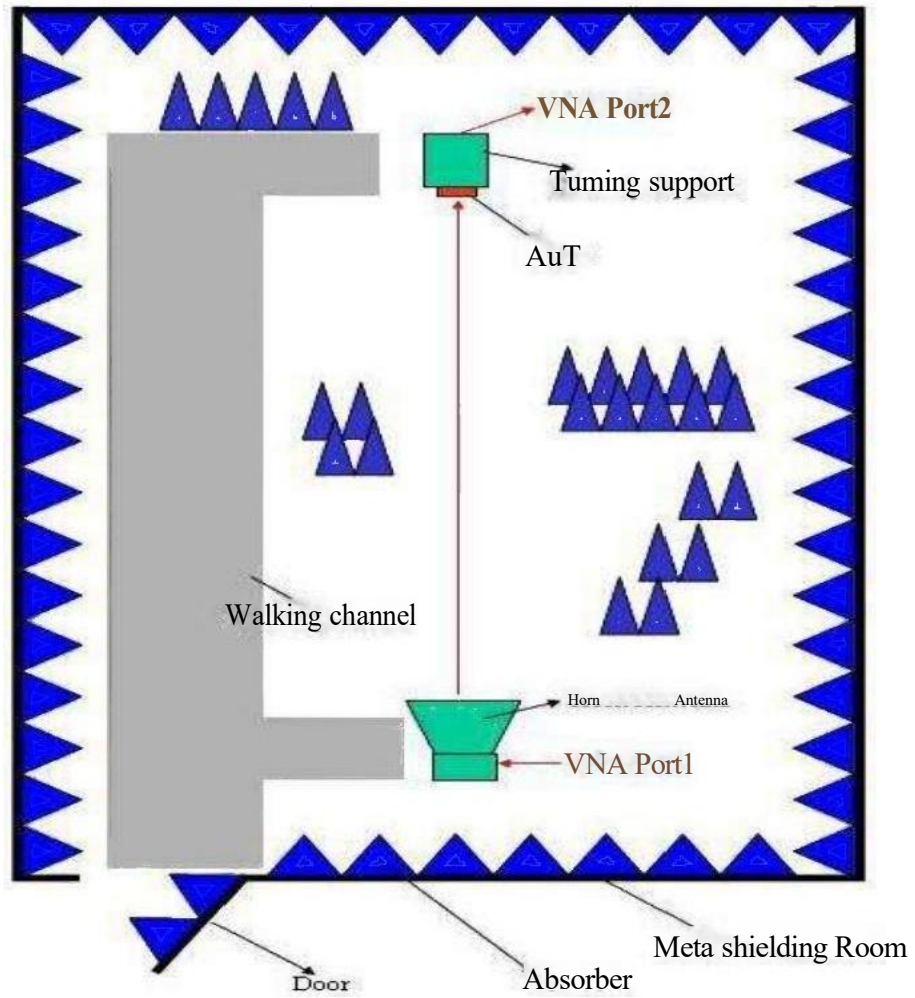
Unit in dBi@2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.2	-0.5	1.9	-3.6	1.1	-3.0	60.2%

Unit in dBi@2.48GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.3	-0.6	1.9	-3.6	1.2	-3.1	60.4%

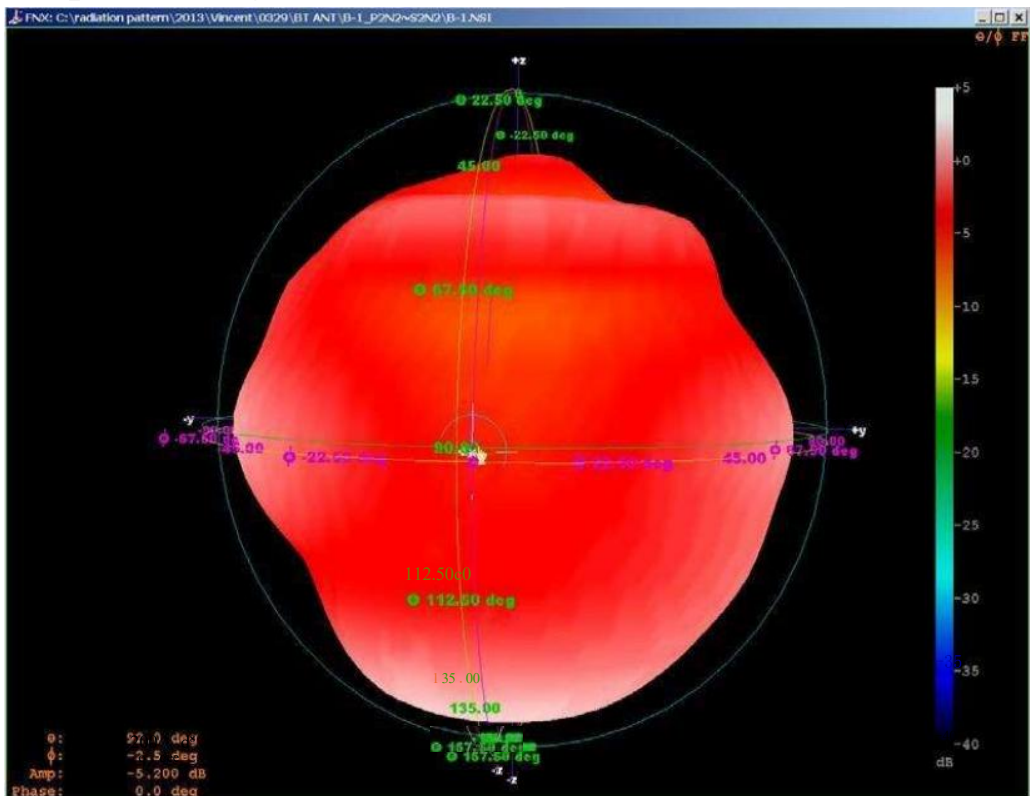
Return Loss



The Environment of Antenna Radiation Pattern

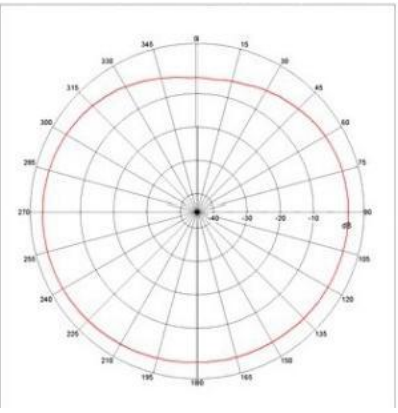


3D radiation pattern diagram



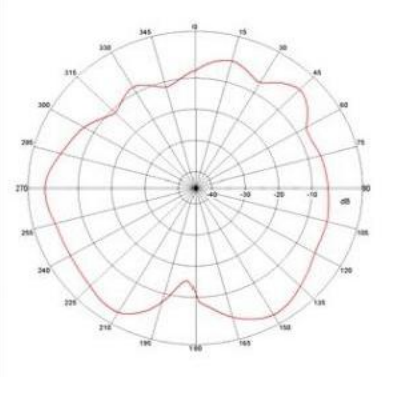
XY-plane

Far-field Power Distribution(H+V)on X-Y Plane
Plot Peak Gain(H-V)-1.35dBi,Plot Avgan(H+V)-0.48dBi
@245000GHZ



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
plot Peak Gain(H-V)-16&BdBi,@245000GHZ



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H-V)-1.11dBi,plot Avgan(H-V)-2.99dBi,@245000GHZ

