

Product specification

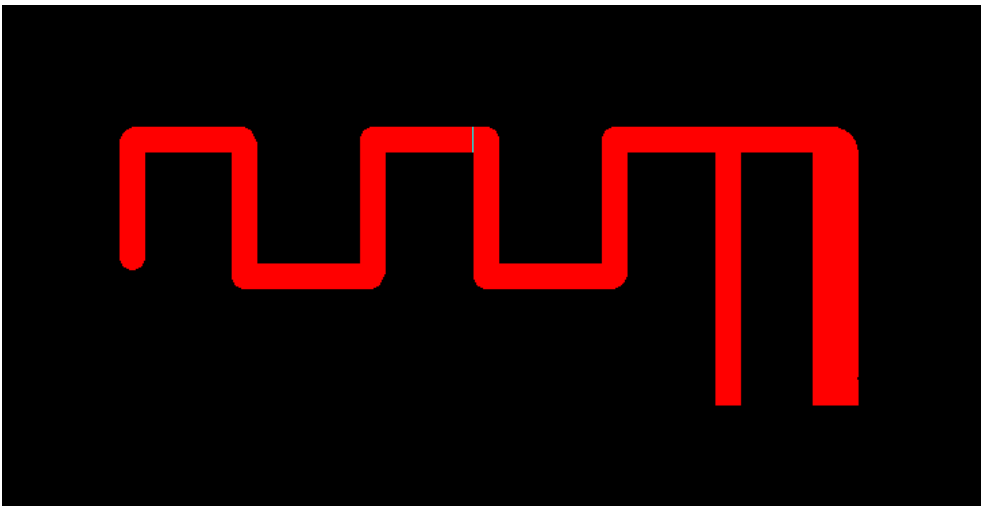
Quick Reference Date

antenna type: PCB antenna

	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(dBm)	1.2	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	6 0.2%	
Gain (dBi)	1.6 8	
Maximum Power (dBm)	1.6 8(XZ-plane)	
Minimum Power (dBm)	-3.83(XZ-plane)	
Avg. Power (dBm)	-0.48(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



length: 14.19mm
width: 5.83 mm

Antenna Gain

Gain Table

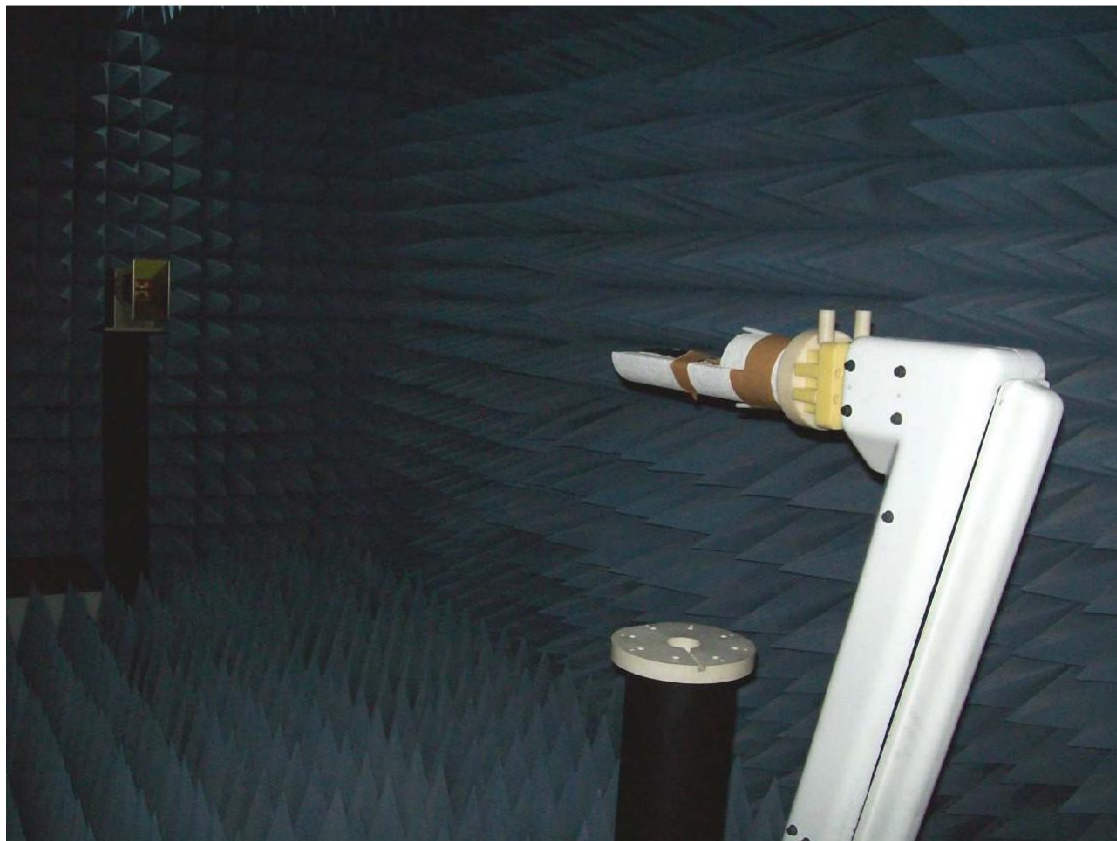
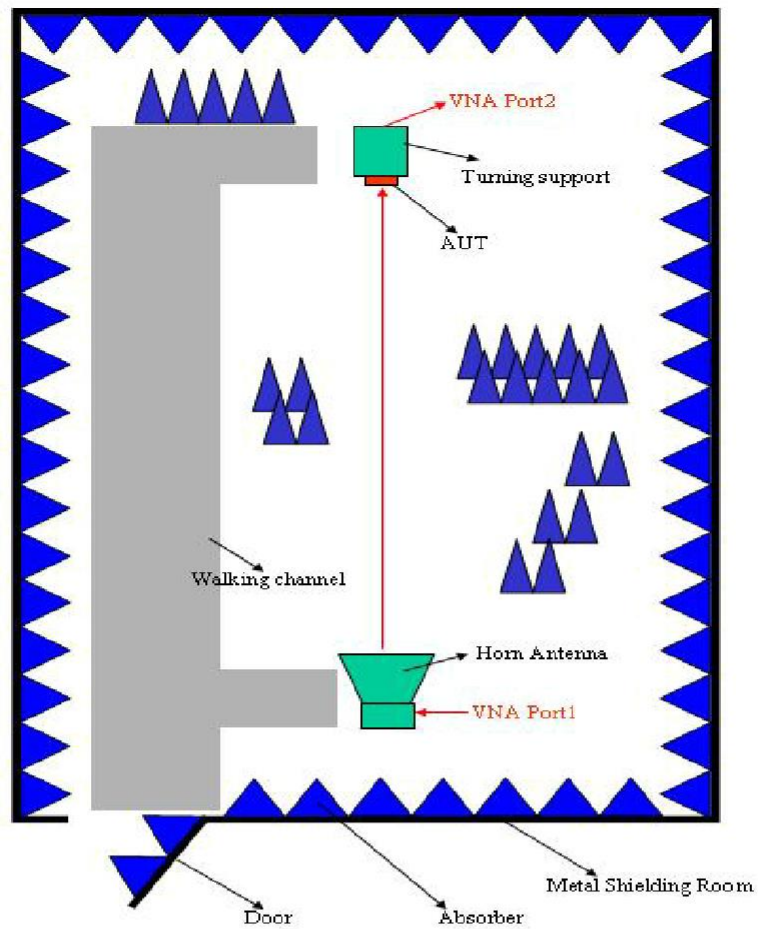
Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.35	-0.48	1.68	-3.83	1.11	-2.99	6 0.2%

Return Loss

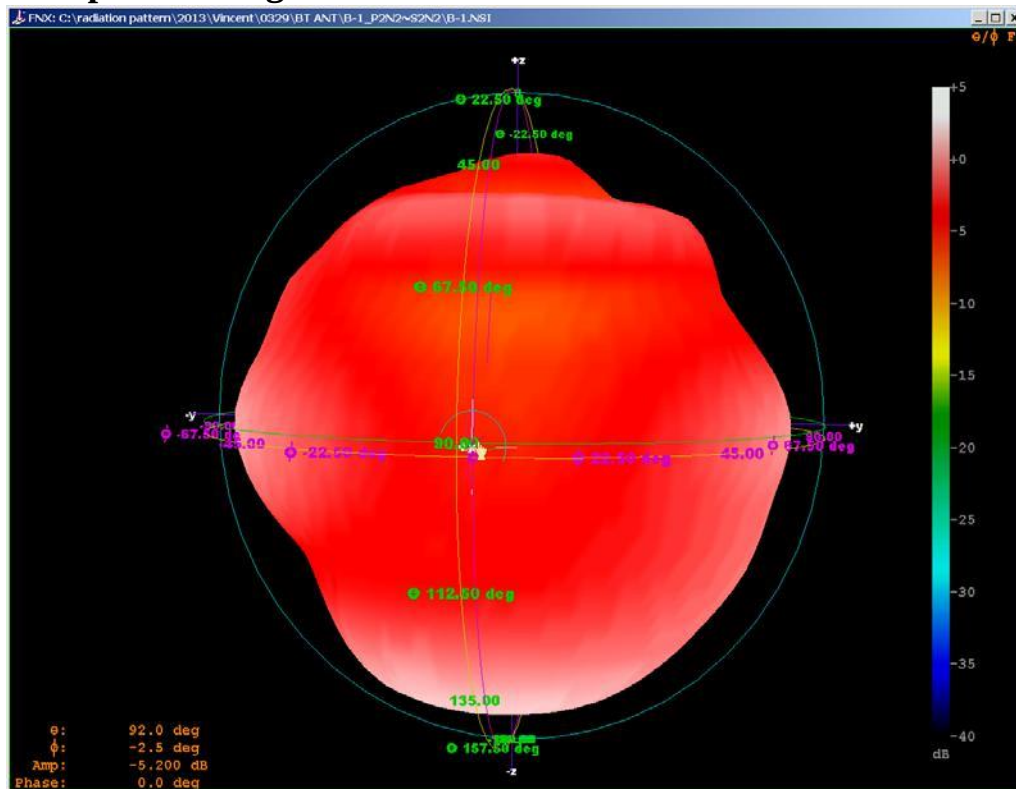


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The Environment of Antenna Radiation Pattern

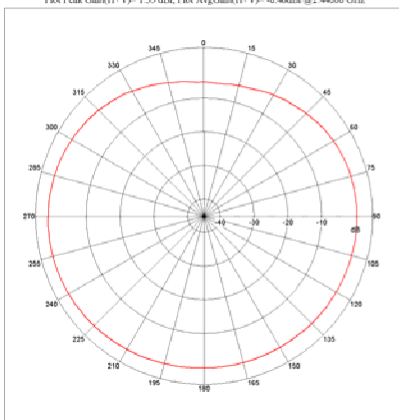


3D radiation pattern diagram



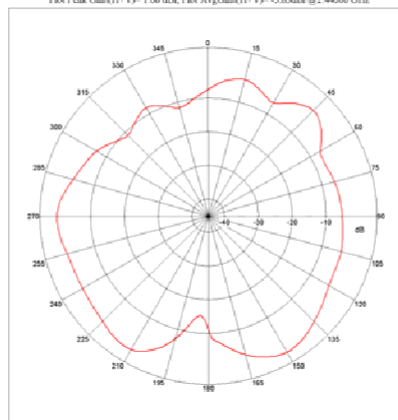
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.35 dBc, Plot AvgGain(H+V)=-6.48dBc @2.44000 GHz



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 1.08 dBc, Plot AvgGain(H+V)=-3.83dBc @2.44000 GHz



YZ-plane

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

