Product specification

Quick Reference Date

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	Antenna module on the system board					
Antenna type	PCB					
Frequency	2.45GHz*1					
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)					
Tot. Rad. Pwr. (dBm)	-2.3 (Input pwr ?loss pwr)					
Peak EIRP(dBm)	1.3					
Directivity (dBi)	1 (all direction antenna)					
Efficiency (dB)	-2.3 (58.5%)					
Gain (dBi)	1.7 (Peak Gain X Z-plane)					
Maximum Power (dBm)	1.3 (XY-plane)					
Minimum Power (dBm)	-4(XY-plane)					
Avg. Power (dBm)	-0.5(XY-plane)					
Max/Min Ratio (dB)	5.3(XY-plane)					
Max/Avg Ratio (dB)	1.8(XY-plane)					
Min/Avg Ratio (dB)	-3.5(XY-plane)					
Average Gain (dB)	-0.5 (Avg Gain XY-plane)					

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

Working Frequncy range:2402-2480Mh2

Antenna Layout & module on the system board

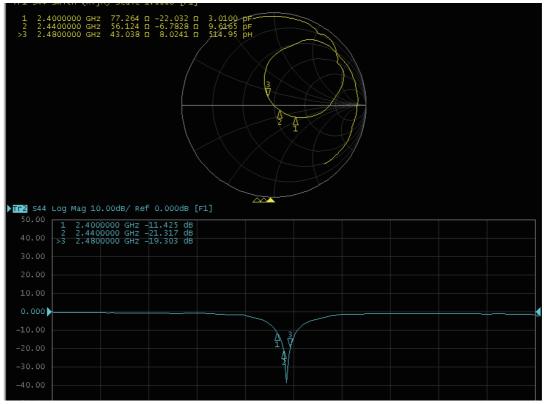


Antenna Gain

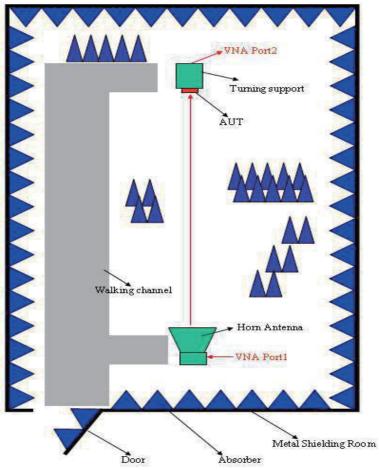
Gain Table

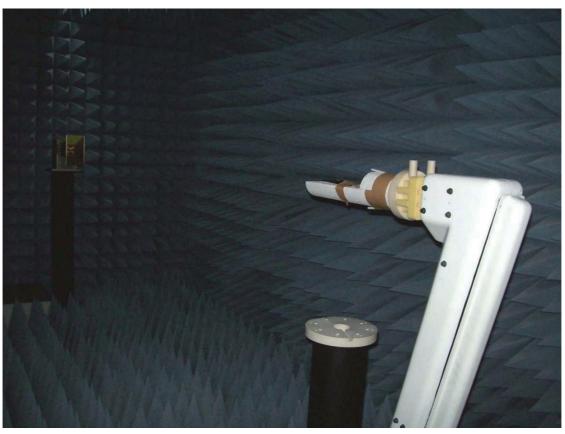
Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.3	-0.5	1.7	-3.8	1.1	-3.0	58.5%

Return Loss

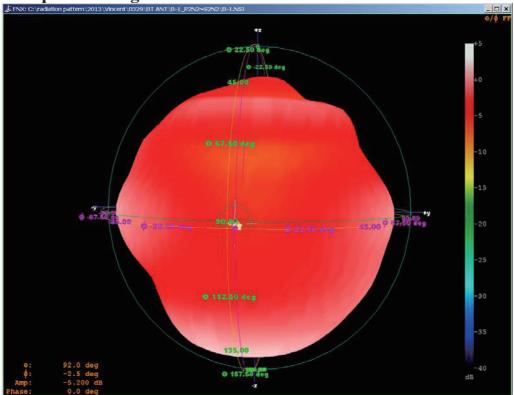


The Environment of Antenna Radiation Pattern

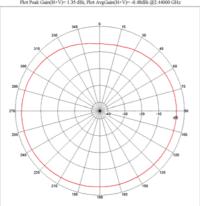




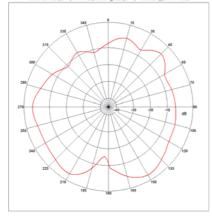
3D radiation pattern diagram



XY-plane
Far-field Power Distribution(H+V) on X-Y Plane
Plet Peak Gain(H+V)= 1.34 dbi; Plet AvgGain(H+V)= 4.84dbi @2.44000 GHz



XZ-plane Far-field Power Distribution(H+V) on X-Z Plane Plot Peak Chain(H+V)= 1.08 dBit, Plot AvgGain(H+V)=-3.83dBit @2.46090 GHz



YZ-plane Far-field Power Distribution(H+V) on Y-Z Plane Plot Peak Gain(H+V)=1.11 dBt, Plot AugGain(H+V)=-2.99dBt @2.46000 GBtz

