## **Product specification**

	Antenna module on the system board				
Antenna type	РСВ				
Frequency	2.45GHz <sup>*1</sup>				
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

## Antenna Layout & module on the system board



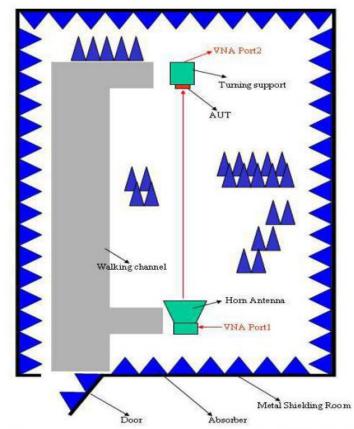
#### Antenna Gain

	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

