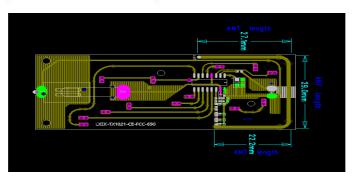
Product specification

Quick Reference Date

	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)	-3.(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		e XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	-3.8	-0.5	-3.0	-3.8	-3.8	-0.5	58.5%

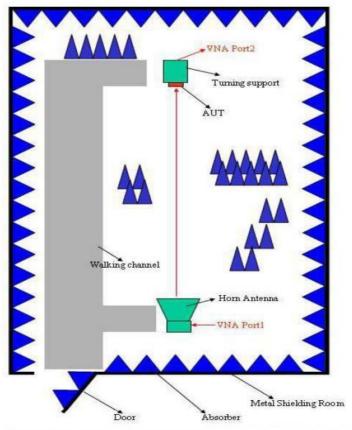
BUILDWIN 1

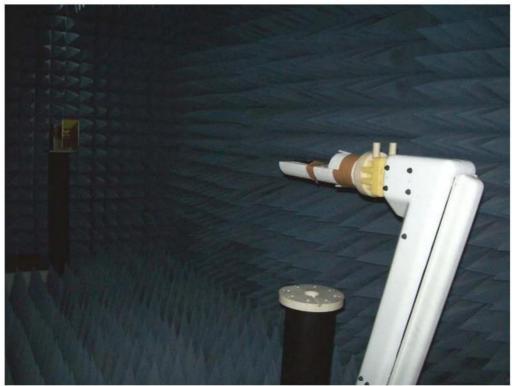
Return Loss



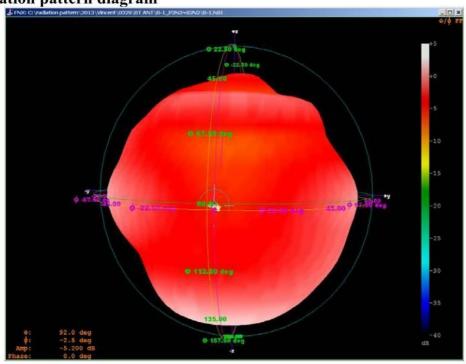
BUILDWIN 2

The Environment of Antenna Radiation Pattern



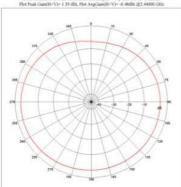


3D radiation pattern diagram

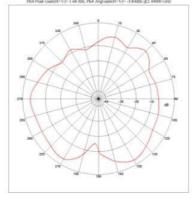




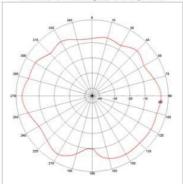
XY-plane
Far-field power Distribution(H+V) on X-Y Plane
Far-field power Distribution(H+V) on M-Y Plane
Far-field power Distribution(H+V) on M-Y Plane



XZ-plane Far-field Power Distrib



YZ-plane Far-field Power Distribution(H+V) on Y-Z Plane Per Pack control-typ-111 ditt, the Application-Yy-2-99dits @2-4000 CH



BUILDWIN