Product specification

KAIMAU ELECTRONICS CO LTD

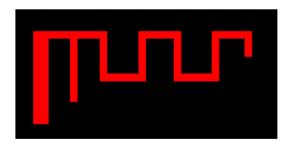
No. 2 Baochang Street, Zhangmutou Town, Dongguan City, Guangdong Province, China

Model: 10-000S32-006

	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

Antenna Layout & module on the system board

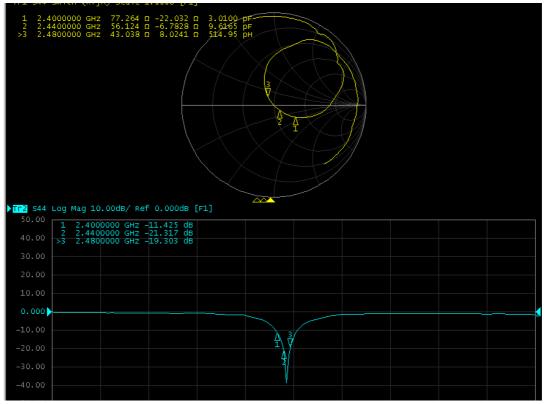


Antenna Gain

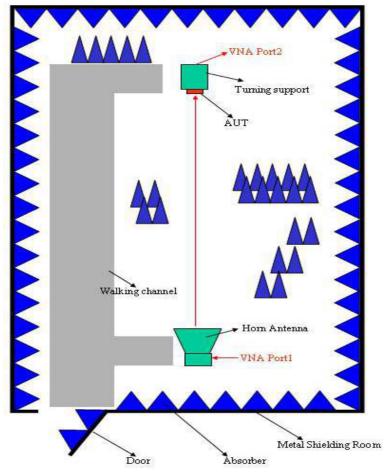
Gain Table

	J 4111 14110								
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

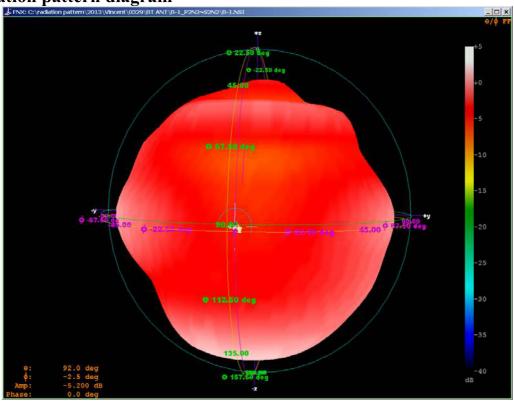


The Environment of Antenna Radiation Pattern

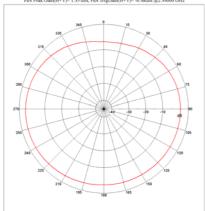




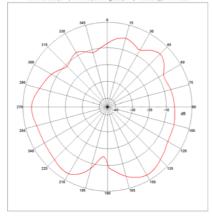
3D radiation pattern diagram



XY-plane
Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Cam(H+V)= 134 dist, Plot AvgCam(H+V)= -0.88dis @2.48000 GHz



XZ-plane
Far-field Power Distribution(H+V) on X-Z. Plane
Plot Peak Gain(H+V)= 1.68 dBit, Plot AugGain(H+V)= 3.83dBit @2.48000 GHz



YZ-plane
Far-field Power Distribution(H+V) on Y-Z. Plane
Plot Peak Gain(H+V)=1.11 dBi; Plot AngGain(H+V)=-2.99dBi @2.46000 GBz

