

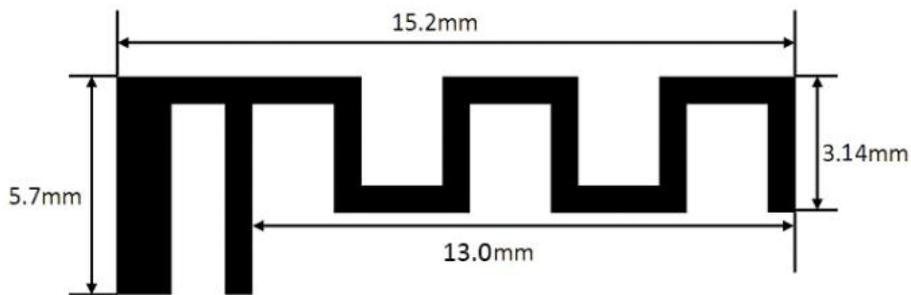
## PCB Antenna

### Quick Reference Data

	Antenna module on the system board	
Frequency	2400-2500MHz	
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	
Maximum Power (dBm)	1.3	
Minimum Power (dBm)	-4	
Avg. Power (dBm)	-0.5	
Max/Min Ratio (dB)	5.3	
Max/Avg Ratio (dB)	1.8	
Min/Avg Ratio (dB)	-3.5	
Average Gain (dB)	-0.5	
Manufacturer:	E-Power Limited	
Address:	5th Floor, Building B, No. 94 Guangtian Road, Yanchuan Community, Yanluo Street, Bao'an District, Shenzhen, Guangdong, China	

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

### Antenna Layout & module on the system board



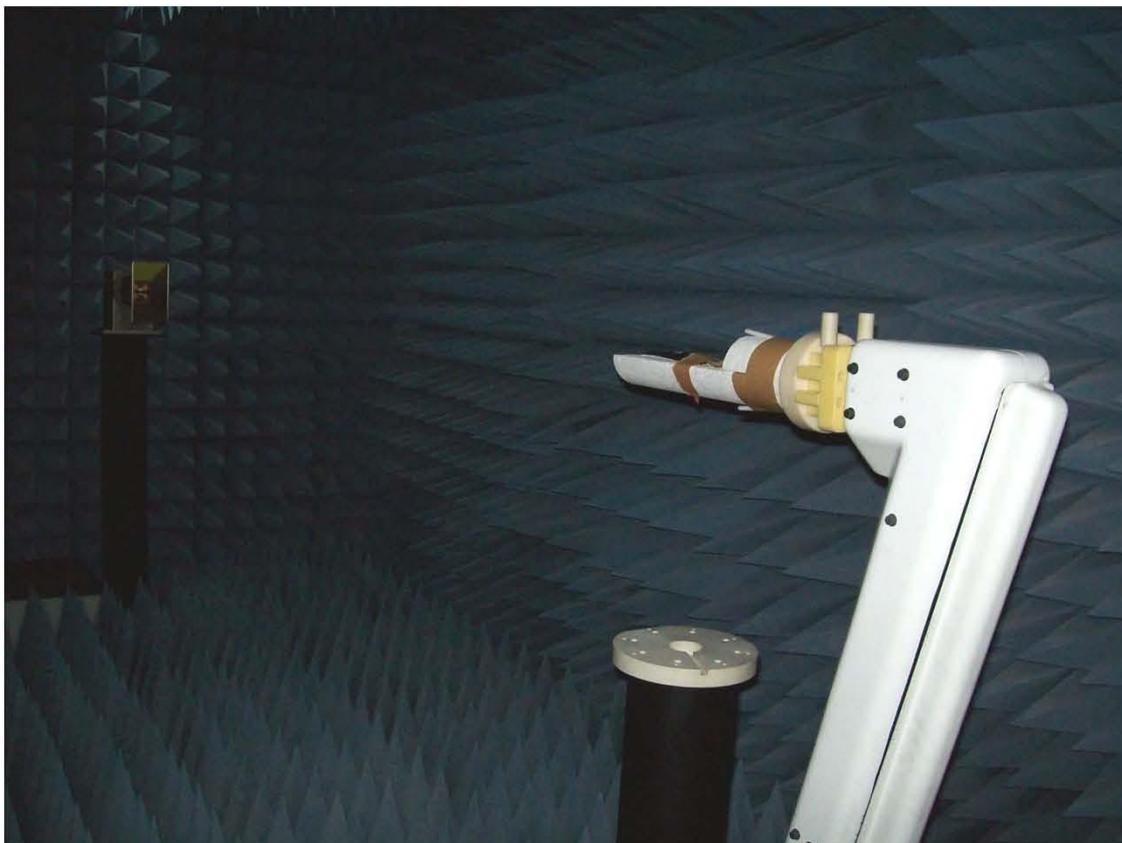
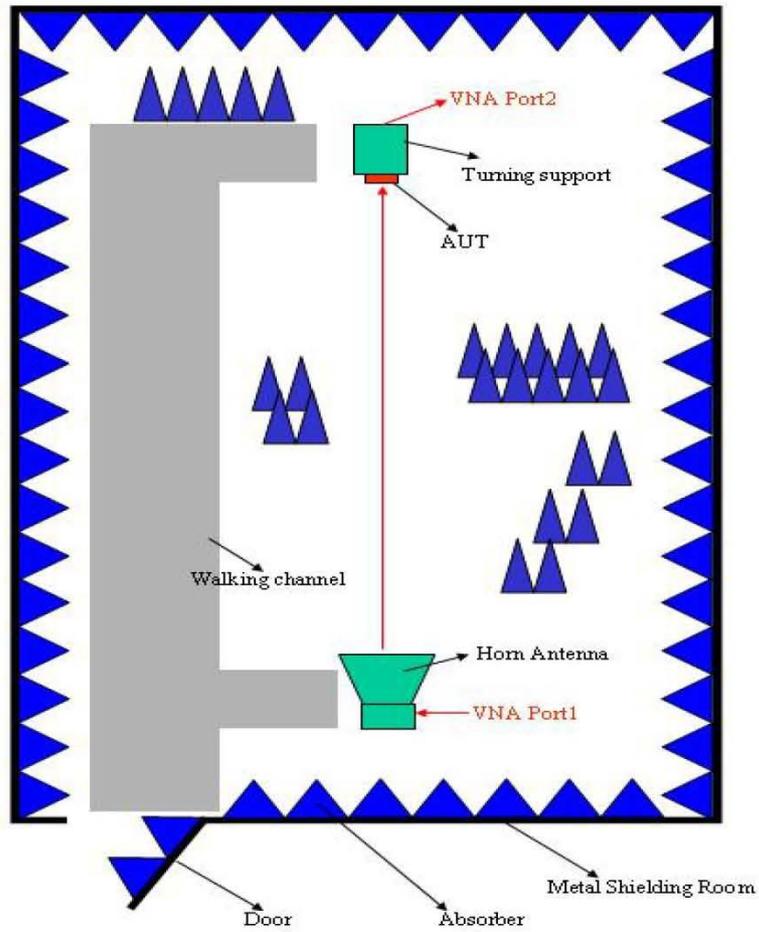
### Antenna Gain

# Gain Table

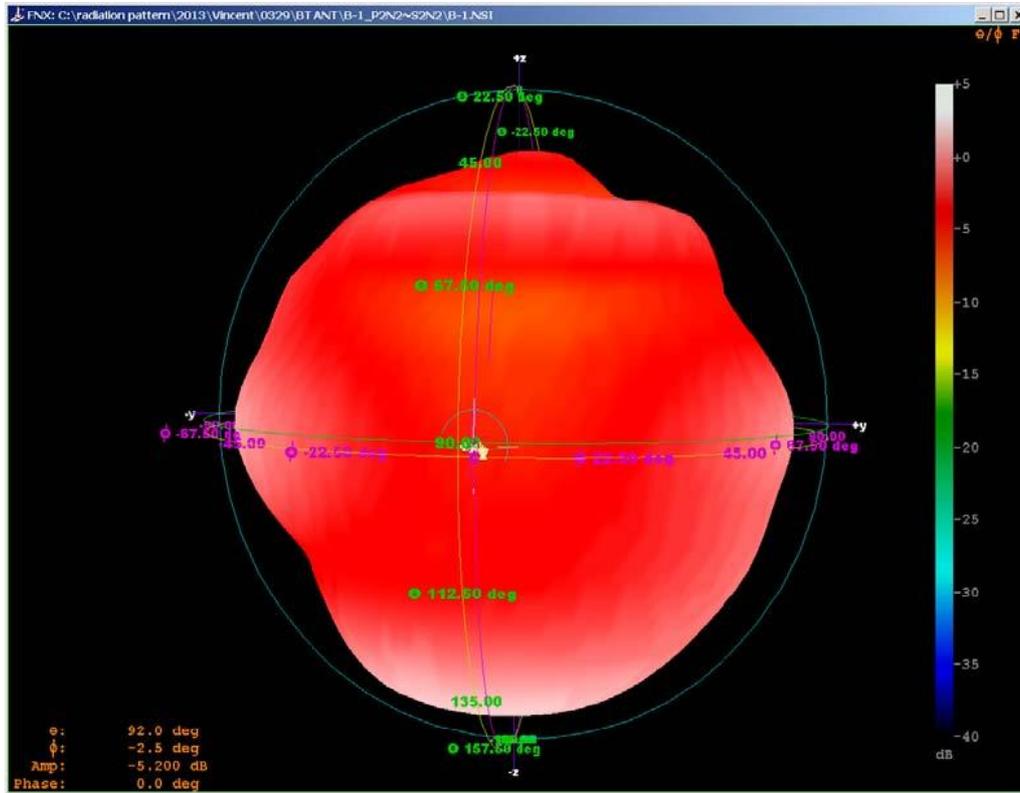
Frequency(MHz)	2400		2450		2500	
	Peak	Avg.	Peak	Avg.	Peak	Avg.
Gain(dBi)	1.3	-0.5	1.7	-3.8	1.1	-3.0



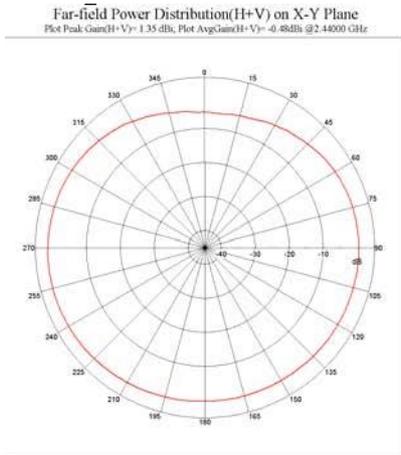
**Return Loss**



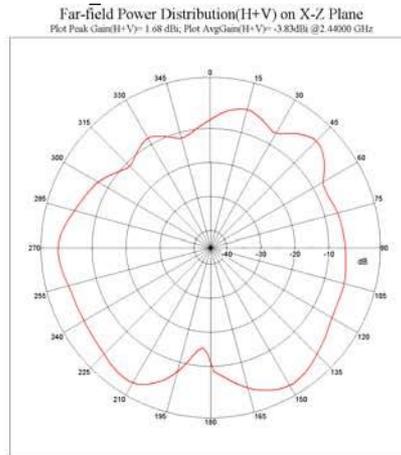
The Environment of Antenna Radiation Pattern



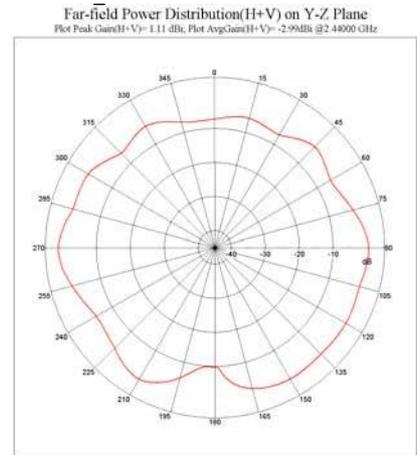
### 3D radiation pattern diagram



2400MHz



2450MHz



2500MHz