

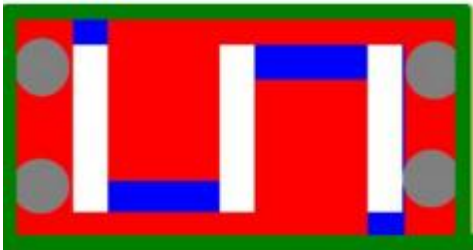
Shenzhen Shenzhen Hongsheng circuit board Co., LTD
Room 301, 3rd Floor, Building 1, Hongpengfei Industrial Park, Longguan East Road,
Longhua Street, Longhua New District, Shenzhen

PCB Antenna Specification

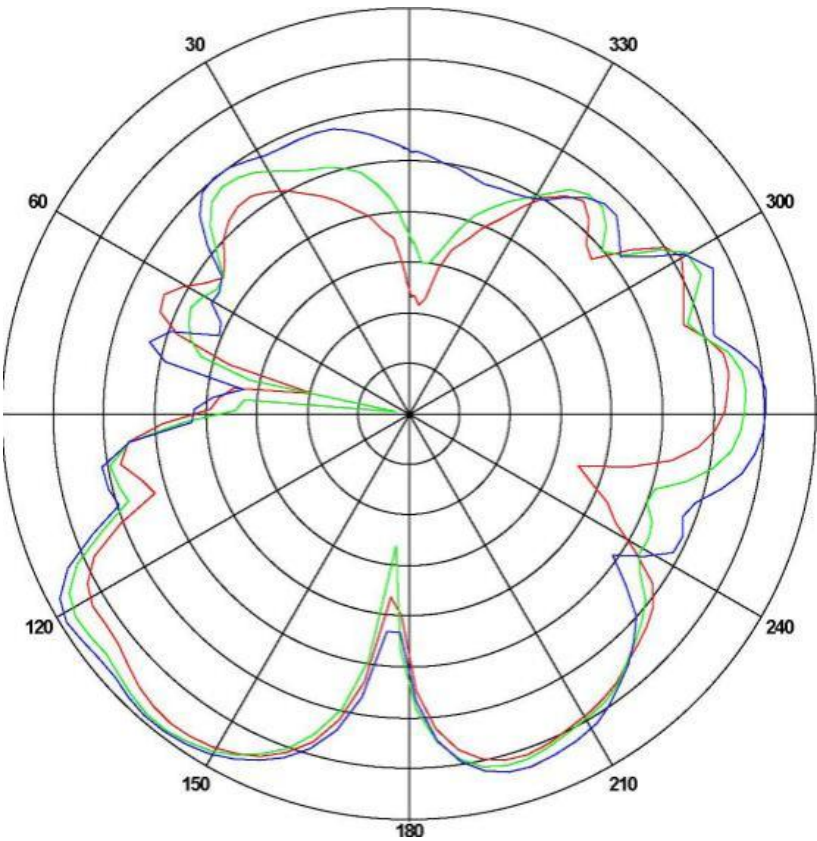
Summary

Central Frequency	2450	MHz
Bandwidth	120 (Min.)	MHz
Peak Gain	-1.2	dBi
Impedance	50	Ohm
Operating Temperature	-40~+85	°C

Antenna Photo



Horizontal: 2400 MHz 2450 MHz 2500 MHz
Power (dBm)
Max: 0 Min: -40 Scale: 5/div

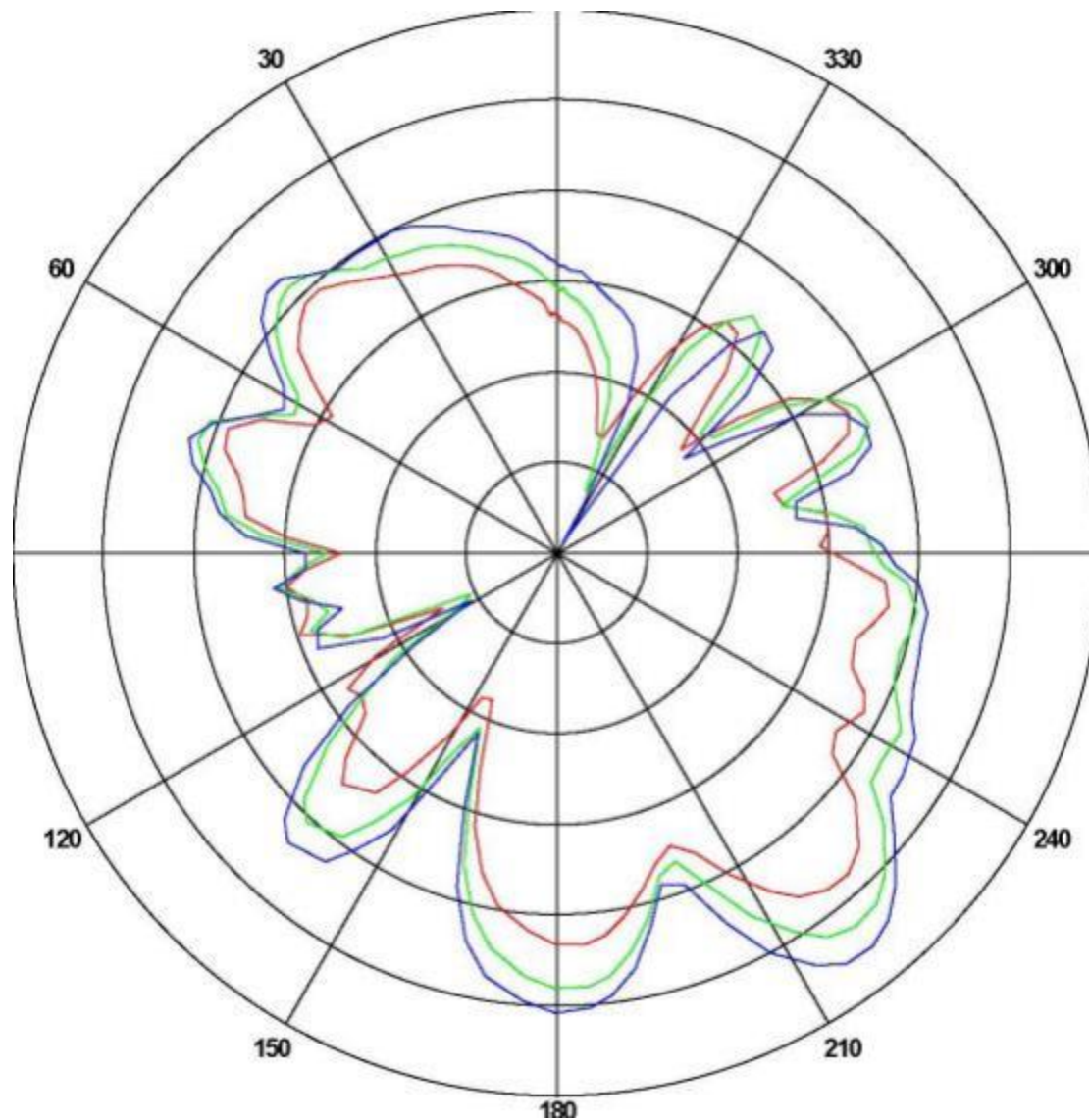


Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	- 1.26174	-30.0801	-7.18716
2450	-0.765802	-36.5604	-7.48023
2500	-0.585582	-22.0315	-6.59127

Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: 0 Min: -30 Scale: 5/div



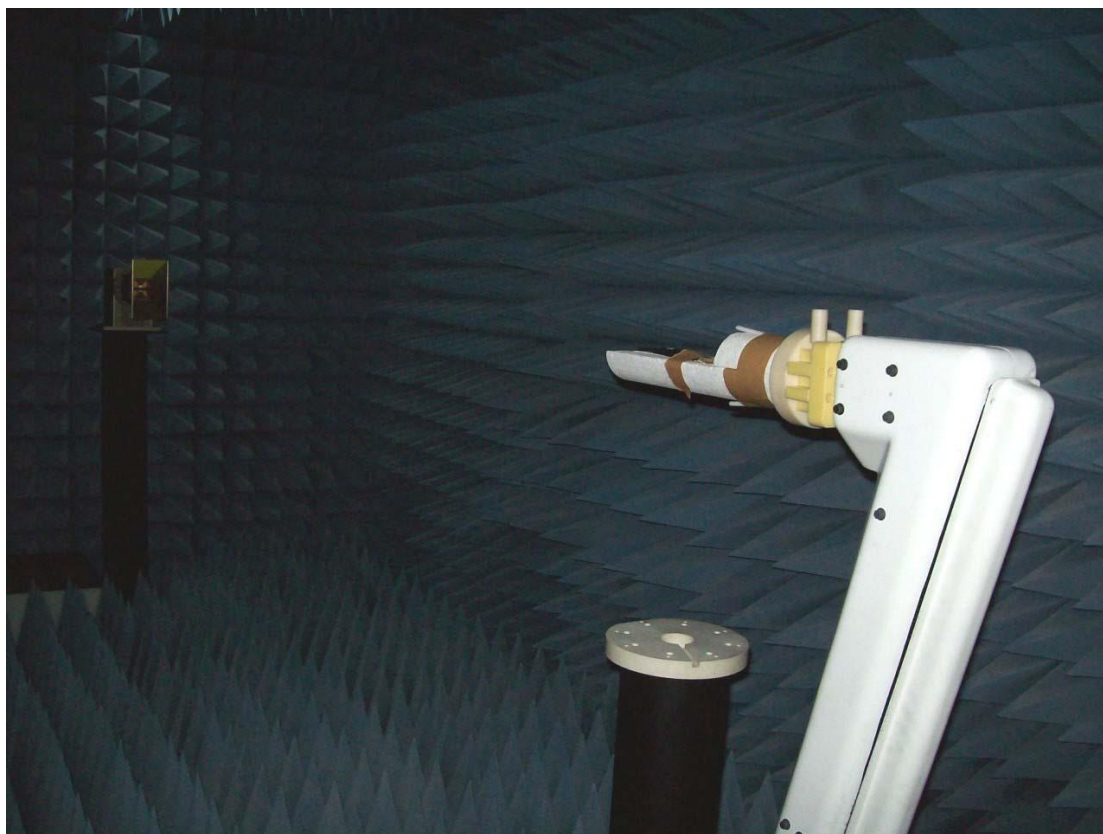
Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	-5.2537	-22.1424	- 12.4294
2450	-2.4652	-24.5837	- 10.4702
2500	- 1.86120	-29.5214	-9.20432

ANT Test Labs : Attestation of Global Compliance Co., Ltd.

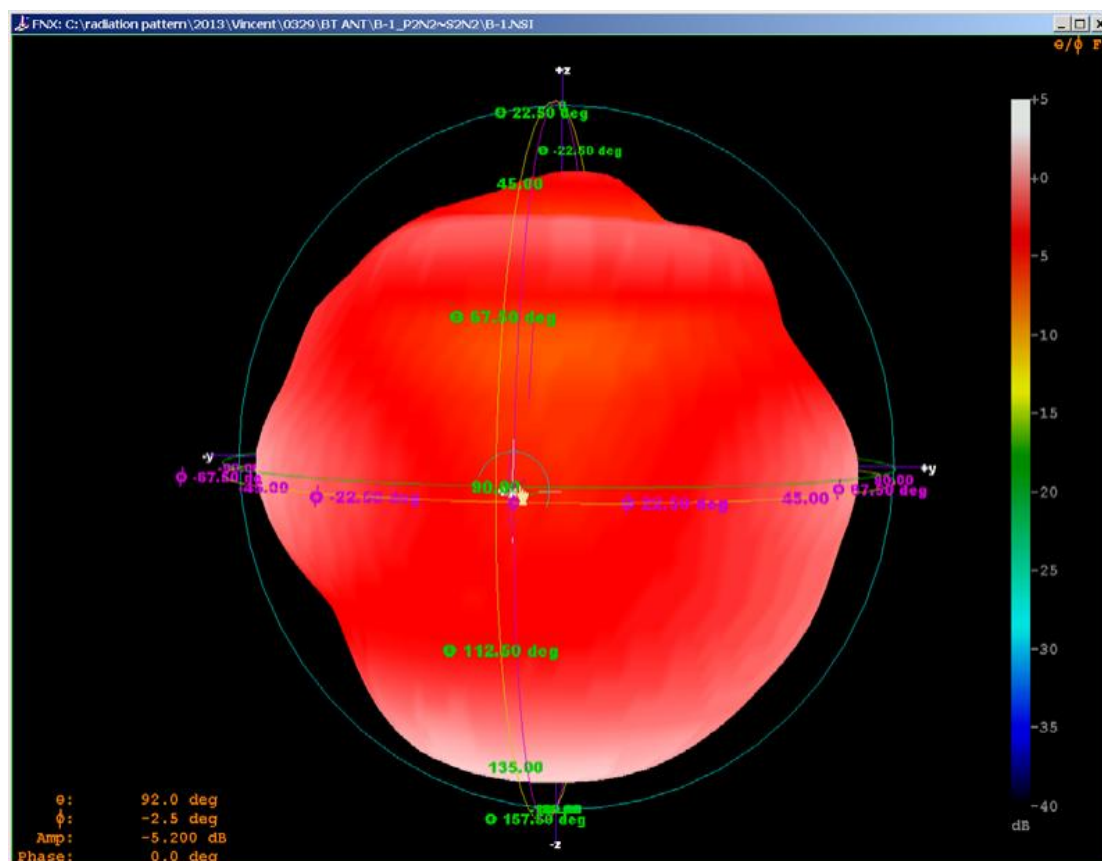
Return Loss



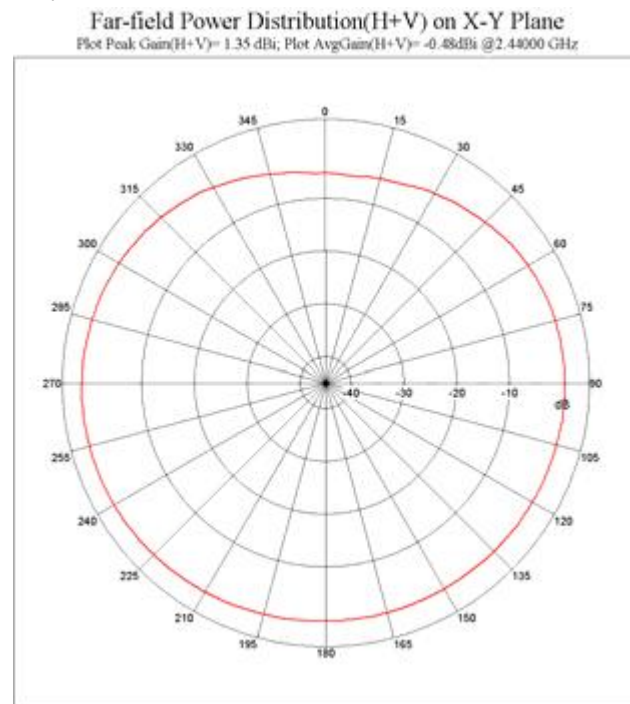
The Environment of Antenna Radiation Pattern



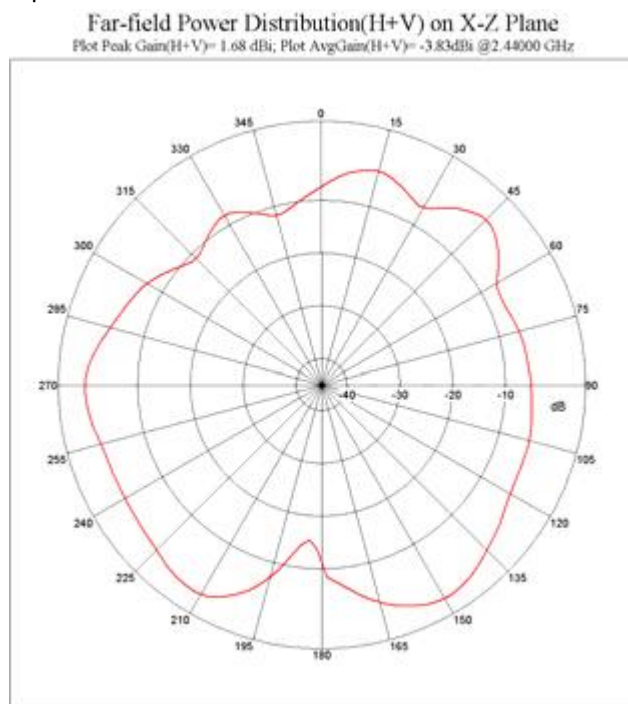
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane

Plot Peak Gain(H+V)= 1.11 dBi; Plot AvgGain(H+V)= -2.99dBi @2.44000 GHz

