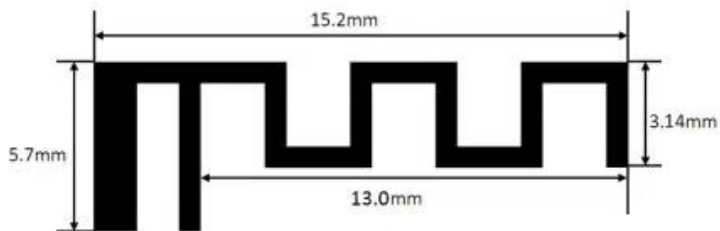


Product specification

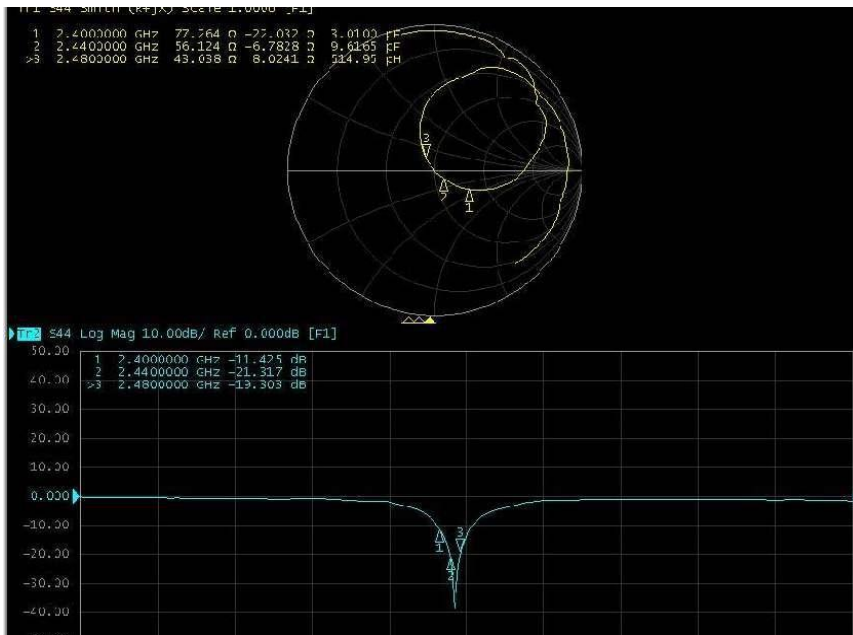
Quick Reference

	Antenna module on the system board
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)
Directivity (dBi)	1 (all direction antenna)
Efficiency (dB)	-2.3 (58.5%)
Gain (dBi)	1.7
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)
Manufacturer:	Shenzhen Shunlian Electronic Science& Technology company Limited

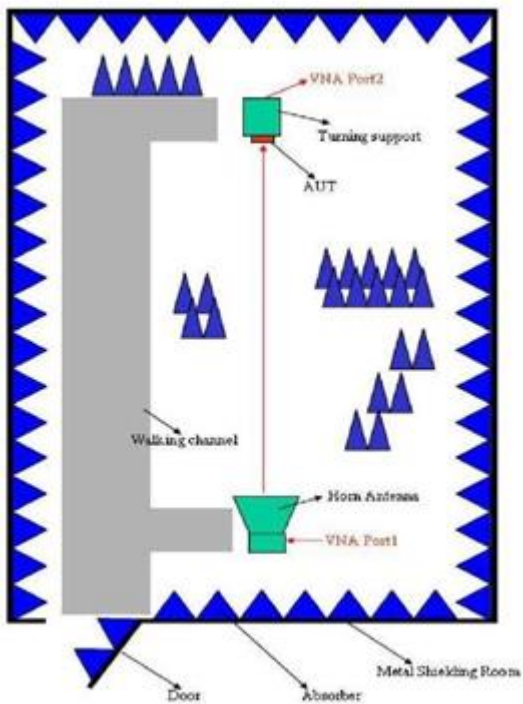
Antenna Layout & module on the system board



Return Loss



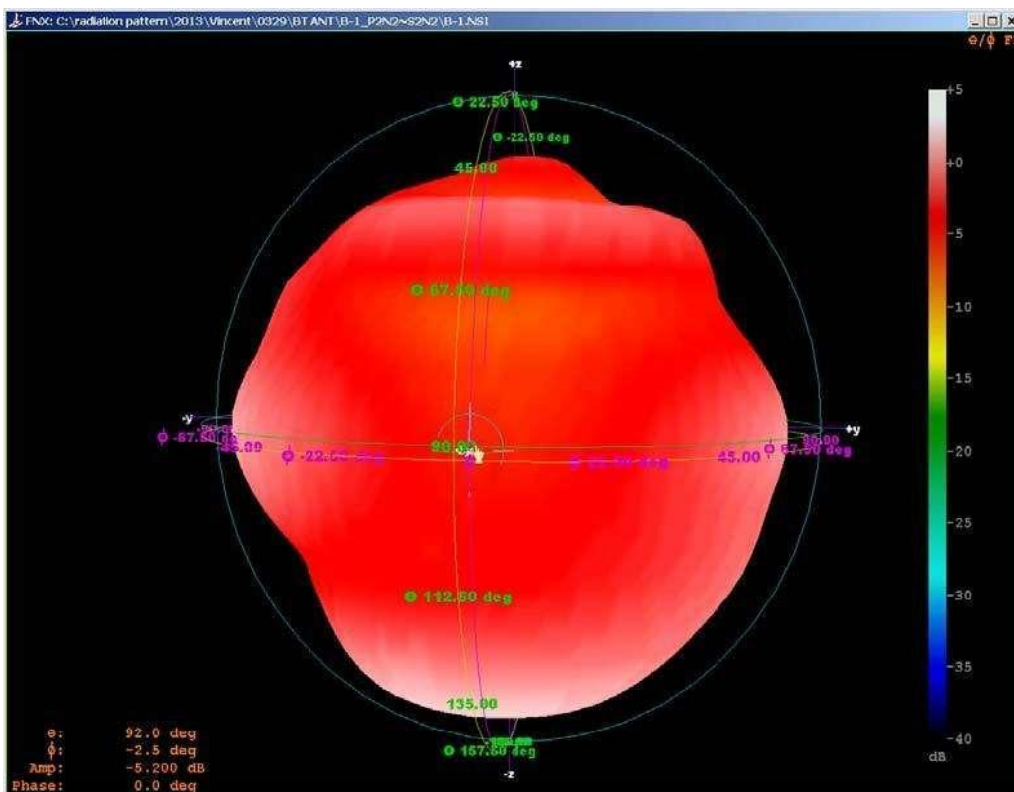
The Environment of Antenna Radiation Pattern



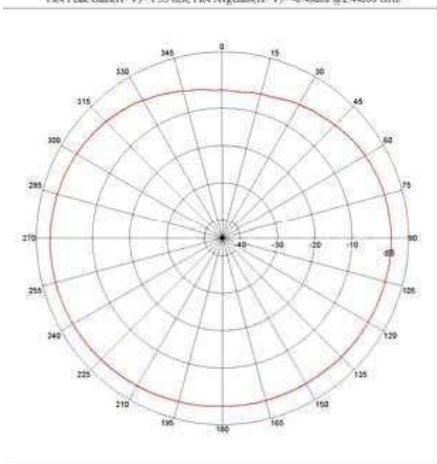
Antenna Gain Gain Table

Unit in dBi	XY-plane	XZ-plane	YZ-plane	Efficiency
2.400GHz	1.2	1.4	1.3	51.3%
2.44GHz	1.3	1.7	1.1	58.5%
2.500GHz	1.0	1.5	0.9	47.8%

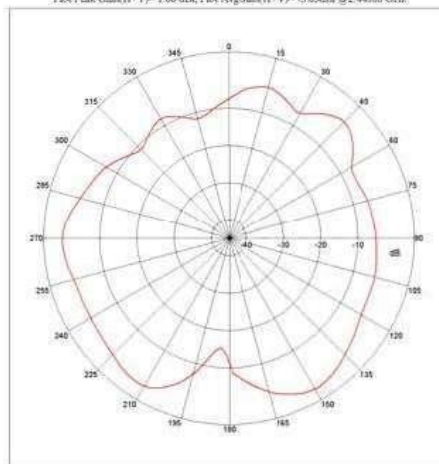
3D radiation pattern diagram XY-plane XZ-plane YZ-plane



Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.35 dBi, Plot AvgGain(H+V)= -0.48dBi @2.4000 GHz



Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 1.08 dBi, Plot AvgGain(H+V)= -3.83dBi @2.4000 GHz



Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.11 dBi, Plot AvgGain(H+V)= -2.99dBi @2.4000 GHz

