

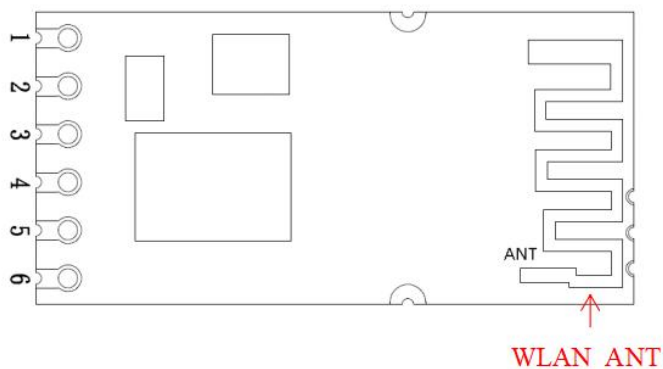


On board PCB WLAN ANT

Specification

SHENZHEN BILIAN ELECTRONIC CO., LTD

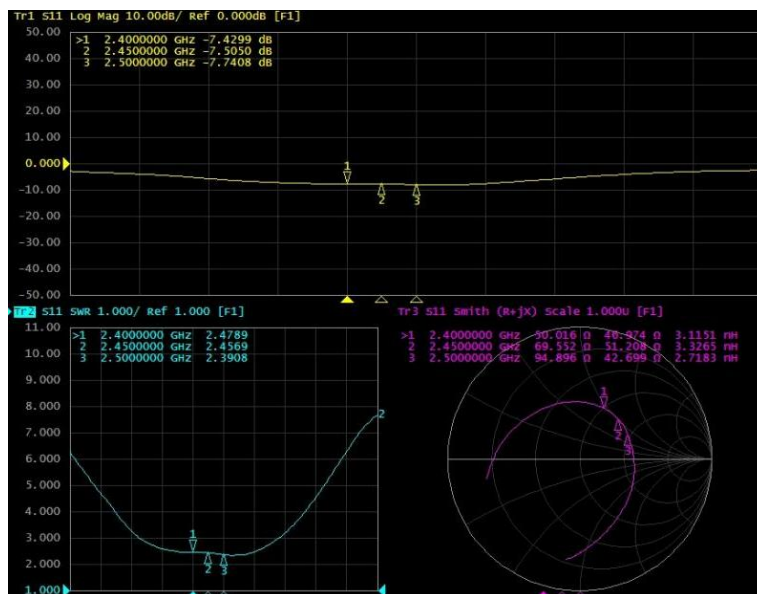
1. WLAN Onboard Antenna Specification:



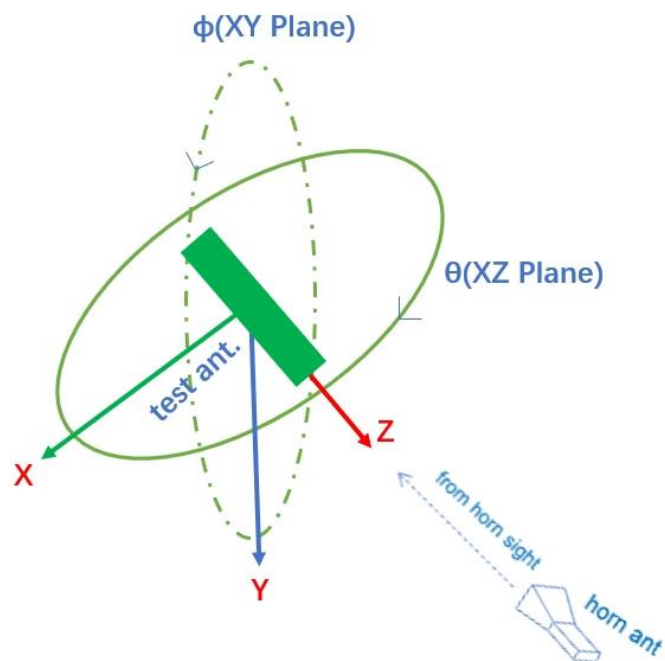
On board printed PCB antenna for WLAN

2.WLAN Onboard Antenna S Parameter

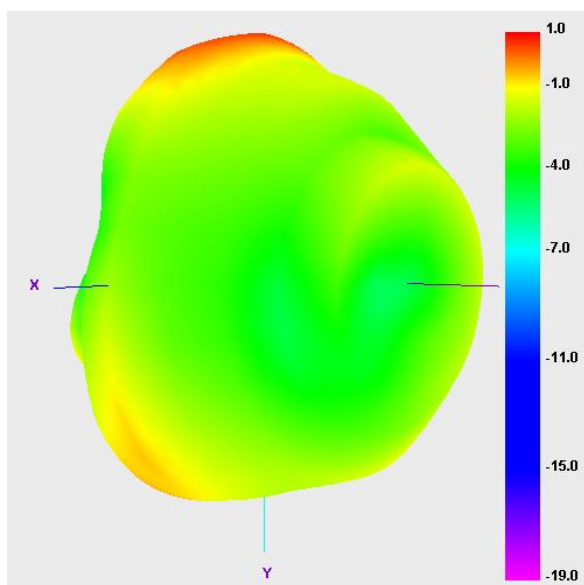
Antenna	Frequency	Return loss	VSWR
On board PCB WLAN antenna	2.4~2.5GHz	≤-7dB	≤2.5



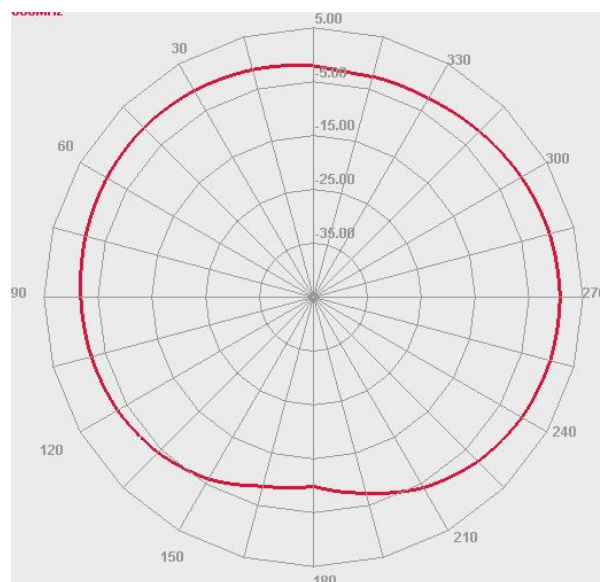
3.WLAN Onboard Antenna Radiation Parameter



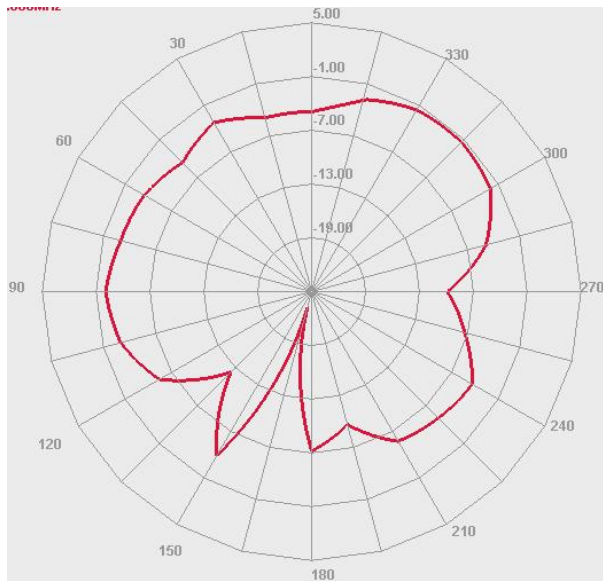
Antenna	Frequency	Gain	efficiency
On board PCB WLAN antenna	2.4~2.5GHz	1.5dBi(Max)	35%~55%



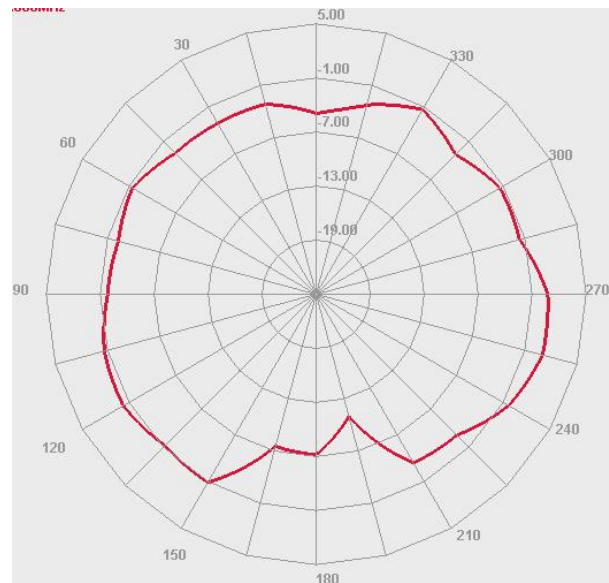
3D radiation(2.45GHz)



XY plane



XZ plane



YZ plane

4.Attachment

Full frequency Gain,Directivity &Efficiency table

Passive Test For 2G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	40.92	-2.64	0.81
2410	41.38	-2.81	0.87
2420	55.16	-2.65	1.50
2430	47.55	-2.21	1.10
2440	47.89	-2.28	1.12
2450	46.75	-2.20	1.13
2460	50.78	-2.72	1.42
2470	45.31	-2.34	1.08
2480	36.75	-2.36	0.54
2490	35.57	-2.45	0.56
2500	37.02	-2.43	0.59