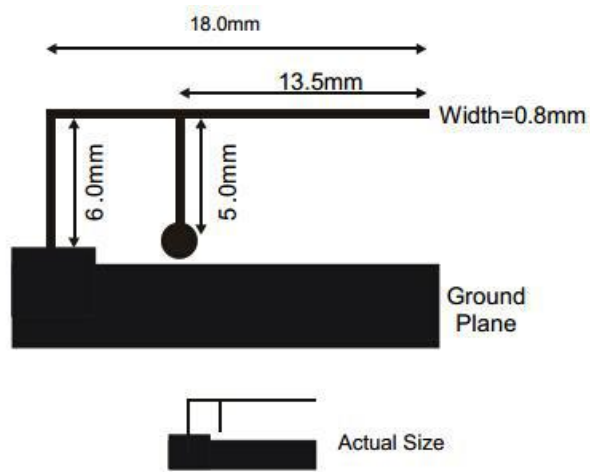


Product specification

Quick Reference Date

	Antenna module on the system board	
Antenna type	PCB	
Frequency	2400MHz-2500MHz	
Gain (dBi)	0.98 (Peak Gain X Z-plane)	

Antenna Layout & module on the system board



Manufacture's Name: Ningbo Tonwel Audio Co., LTD

Address: No.28, Xiyi Road, Jiangshan Town, Yinzhou, Ningbo, China

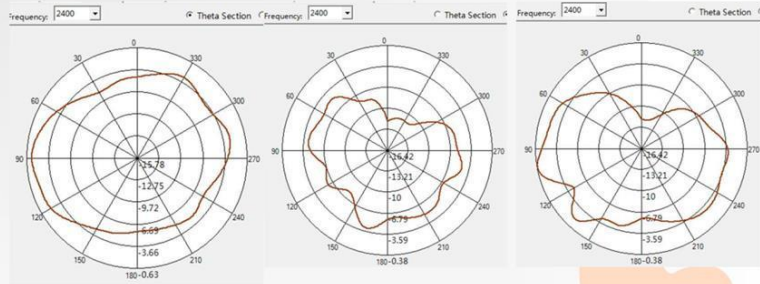
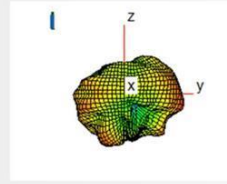
Return Loss



3D radiation pattern diagram

F型天线无源数据

Freq	Gain	Efficiency_Percent
2400	-0.38	33.53
2410	-0.71	34.84
2420	-0.82	34.94
2430	-0.47	37.67
2440	-0.06	39.99
2450	0.17	40.95
2460	0.73	45.21
2470	0.98	47.50
2480	0.91	45.64
2490	1.06	45.29
2500	0.87	42.69



X-Y

Y-Z

X-Z