

Antenna specification

1、Antenna introduction

The Bluetooth module antenna is directly used on the PCB.

2、Antenna shape



3、Antenna parameter

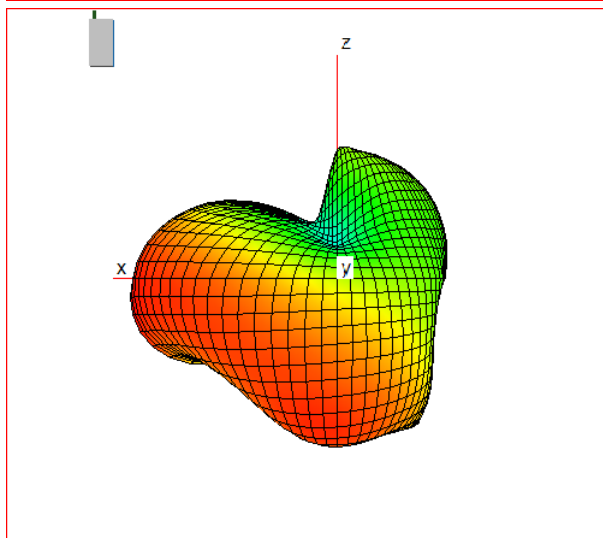
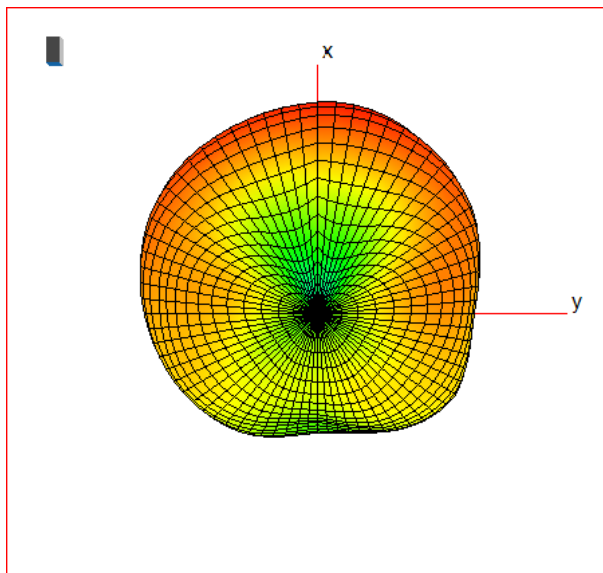
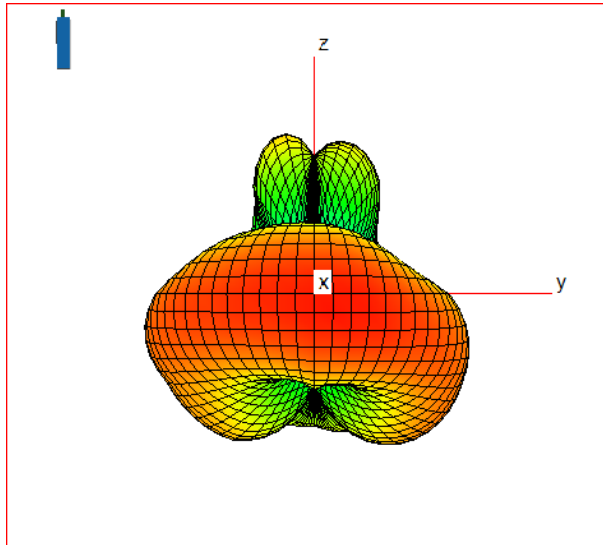
The Bluetooth antenna operates at 2400–2500 MHz and generates resonance in this band. The table below shows the main parameters of the antenna.

Frequency (MHz)	2400 ~ 2500 MHz
VSWR	≤ 2.0
Impedance	50 Ohm
Return Loss	-15 dB Max

Radiation	Omni-directional ₂
Gain (Peak)	1.32 dBi
Admitted Power	1MW

4、Antenna gain report

中易腾达-2.4G (LW822H-16)			
2300	-2.81	52.37	0.83
2310	-2.77	52.9	0.88
2320	-2.53	55.79	1.14
2330	-2.39	57.61	1.33
2340	-2.3	58.87	1.41
2350	-2.25	59.6	1.46
2360	-2.19	60.33	1.5
2370	-2.17	60.66	1.54
2380	-2.19	60.38	1.54
2390	-2.33	58.42	1.38
2400	-2.46	56.71	1.32
2410	-2.63	54.54	1.13
2420	-2.85	51.84	0.94
2430	-3.13	48.65	0.75
2440	-3.51	44.53	0.44
2450	-3.91	40.68	0.11
2460	-4.28	37.31	-0.27
2470	-4.56	35	-0.54
2480	-4.69	33.99	-0.72
2490	-4.74	33.6	-0.85
2500	-4.74	33.6	-0.85



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