

Keyboard Antenna Specification

Keyboard PCB Antenna

The Keyboard antenna adopts the ultra-small PCB antenna, and because of the limited area of PCB, the gain of antenna will be smaller than that of the other antennas. The communication distance can reach about 15 ~ 20 meters. The size of the Keyboard Module PCB antenna is 11.5 * 2.5mm, and the thickness of PCB is 1.6mm. The specific size of the antenna is shown in figure 1, the physical object is shown in figure 2.

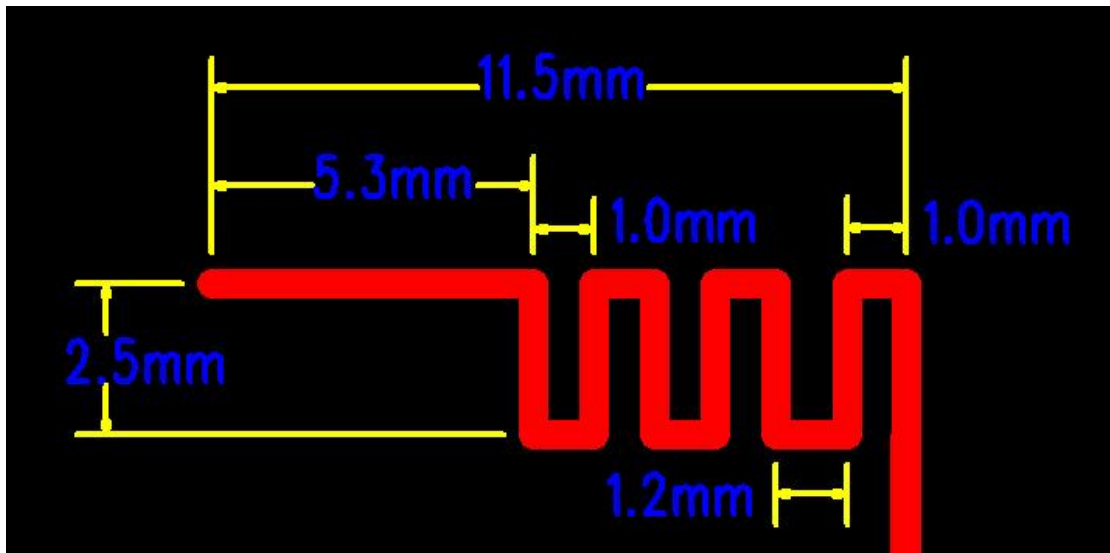


Figure1 Keyboard Antenna size

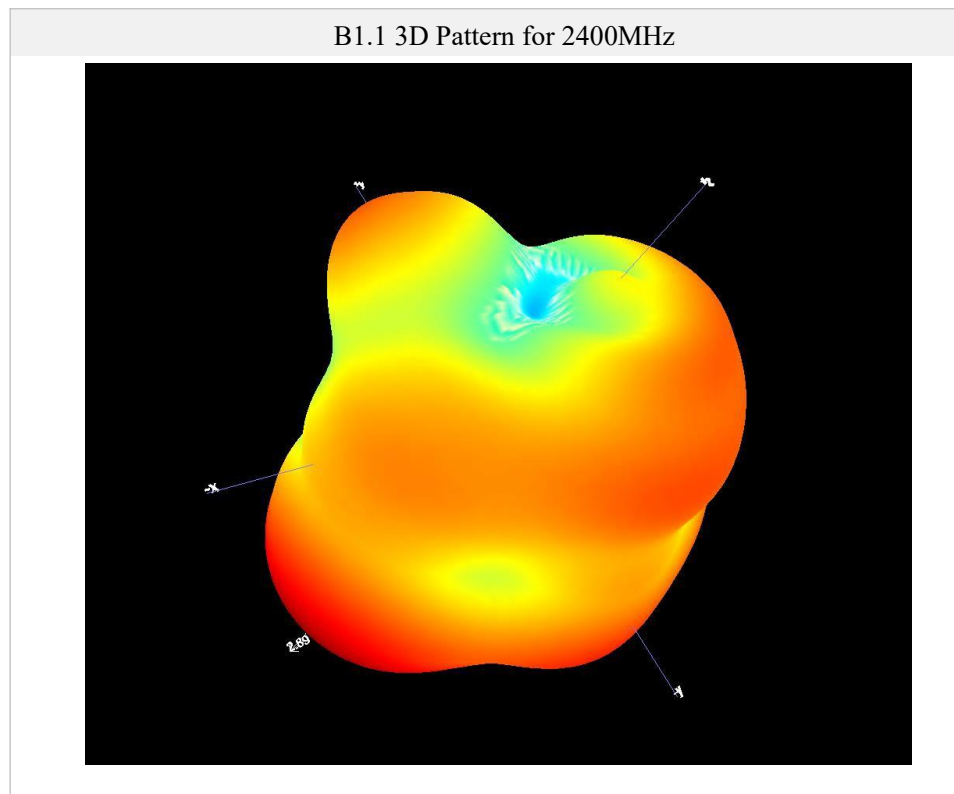


Figure2 Keyboard Antenna

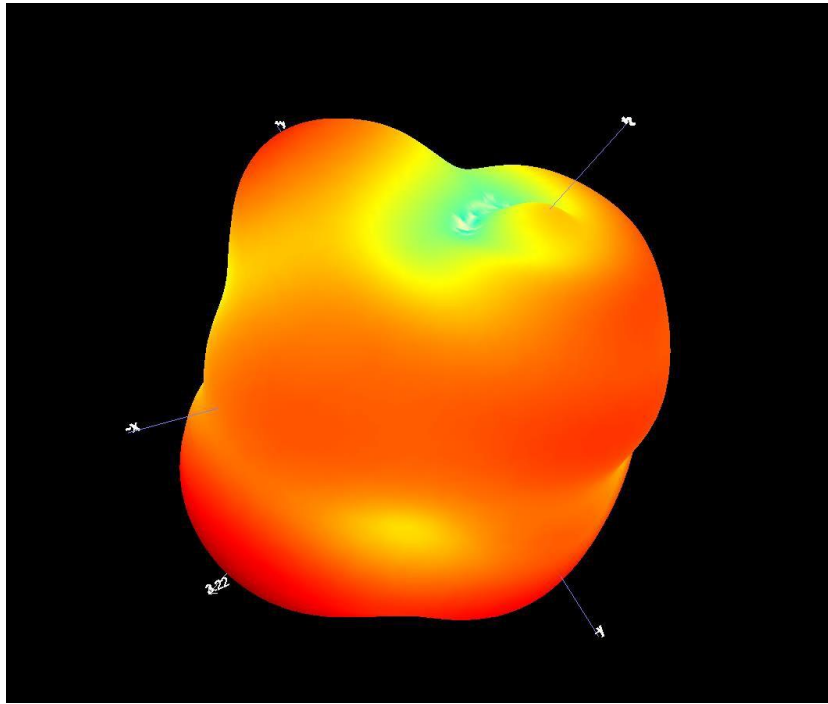
Gain and Efficiency

Frequency	Gain (dBi)	Efficiency (%)
2400MHz	2.89	52
2410MHz	2.83	52
2420MHz	2.90	52
2430MHz	3.17	52
2440MHz	3.12	51
2450MHz	3.22	51
2460MHz	3.06	51
2470MHz	2.94	51
2480MHz	3.11	51
2490MHz	3.16	51
2500MHz	2.85	50

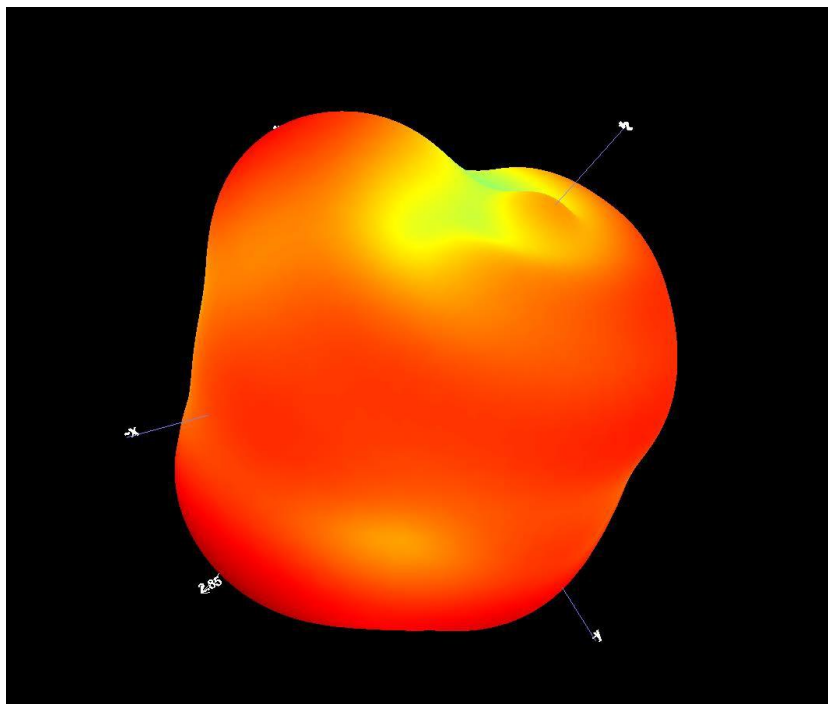
3D Pattern



B1.2 3D Pattern for 2450MHz

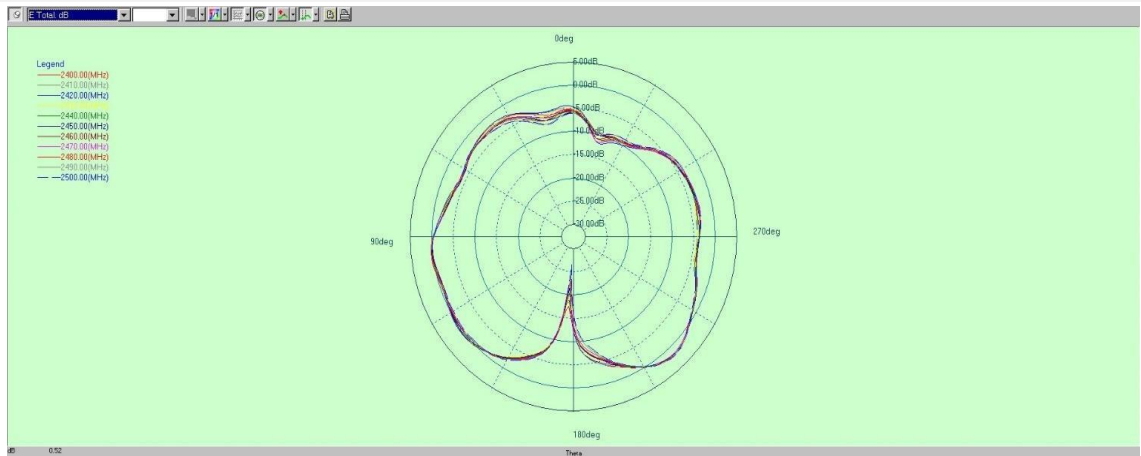


B1.3 3D Pattern for 2500MHz

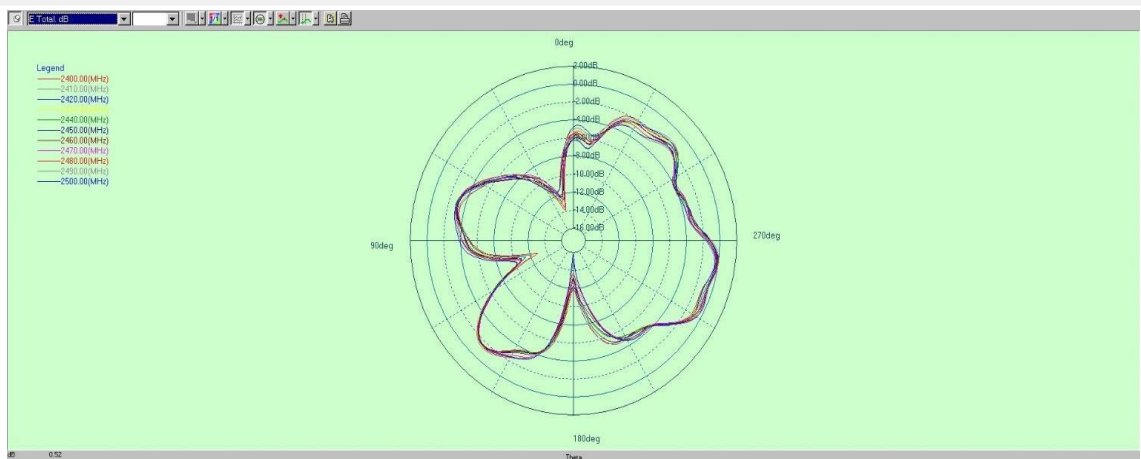


1D Radiation Pattern

PHI=0



PHI=90



THETA=90

