

Keyboard Antenna Specification

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 KeyboardModule PCB antenna is 11.74 * 3.45mm, 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.

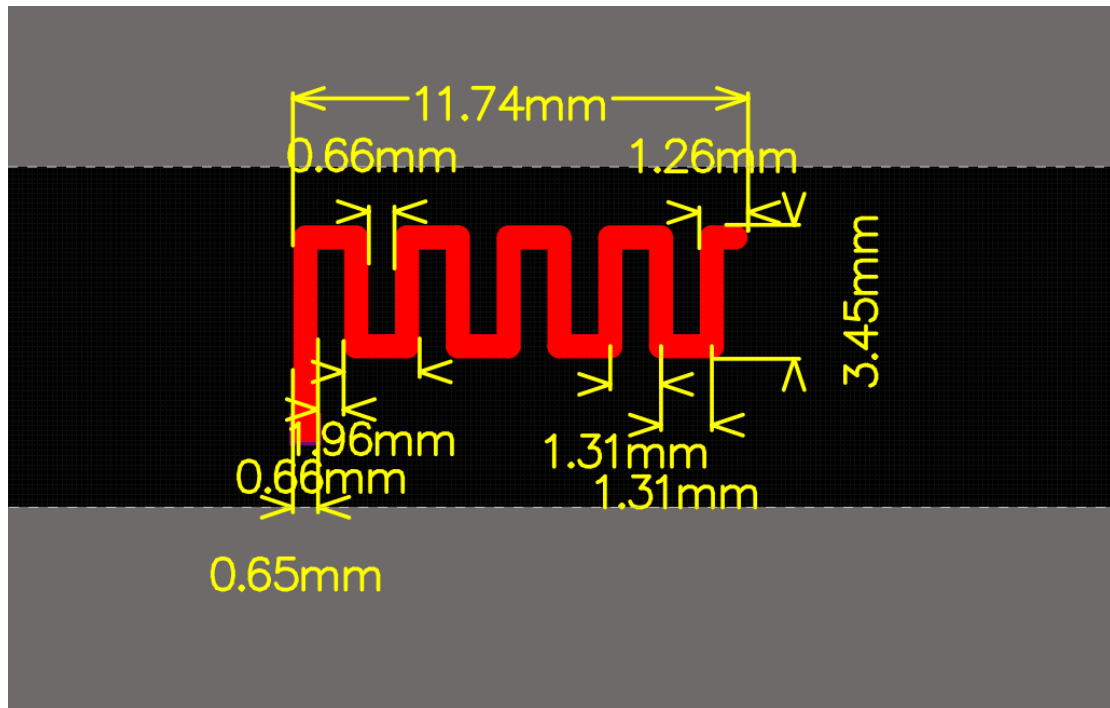
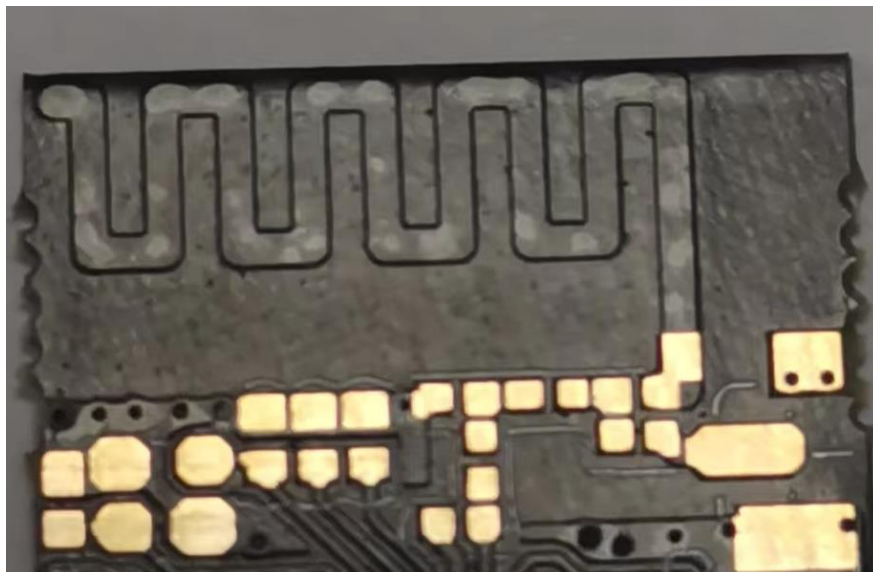


Figure1 Keyboard Antenna size



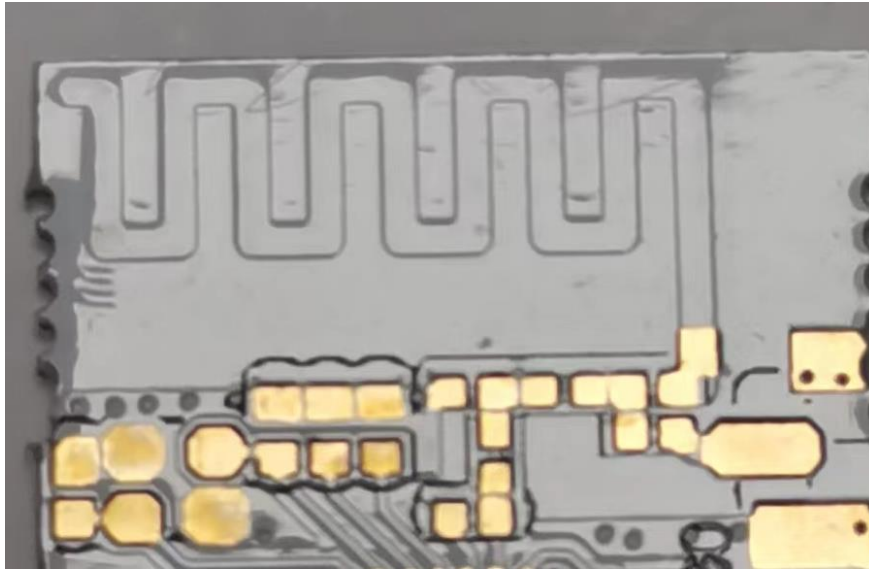


Figure2 Keyboard Antenna

The antenna's S11 test data is shown in figure 3, covering the entire 2.4 Gfrequency band.

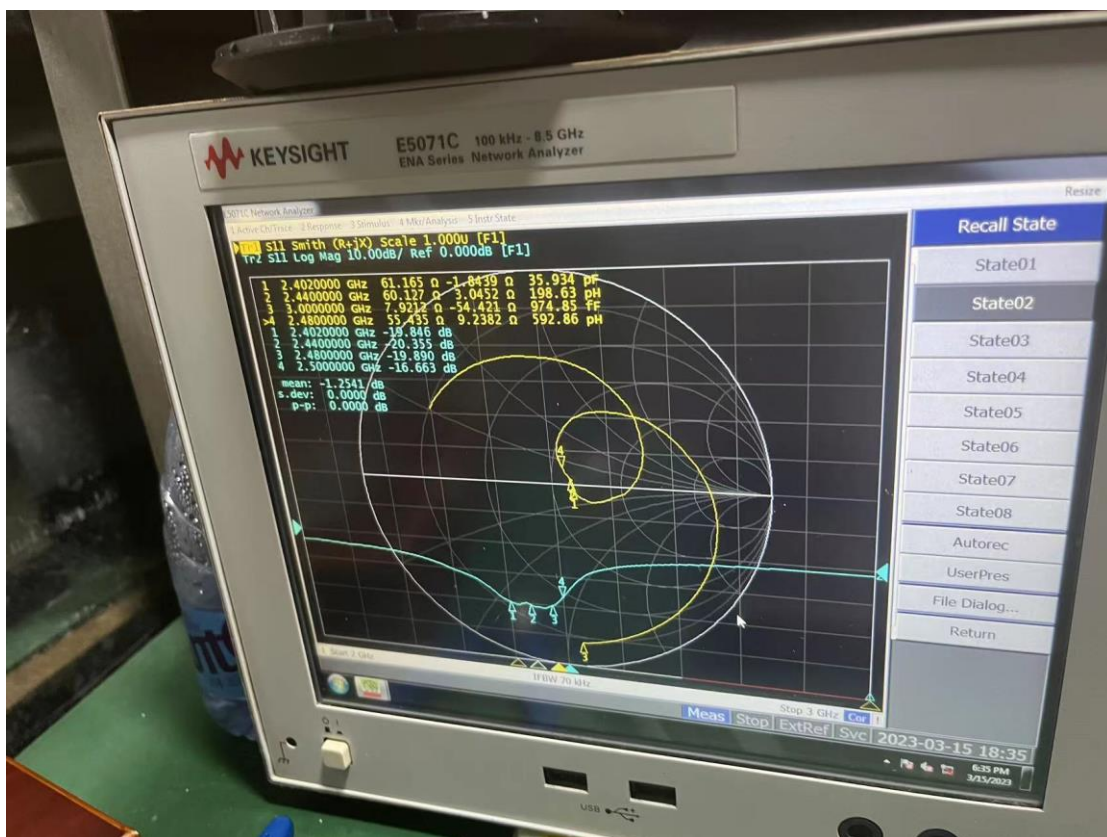


Figure3 Keyboard Antenna S11

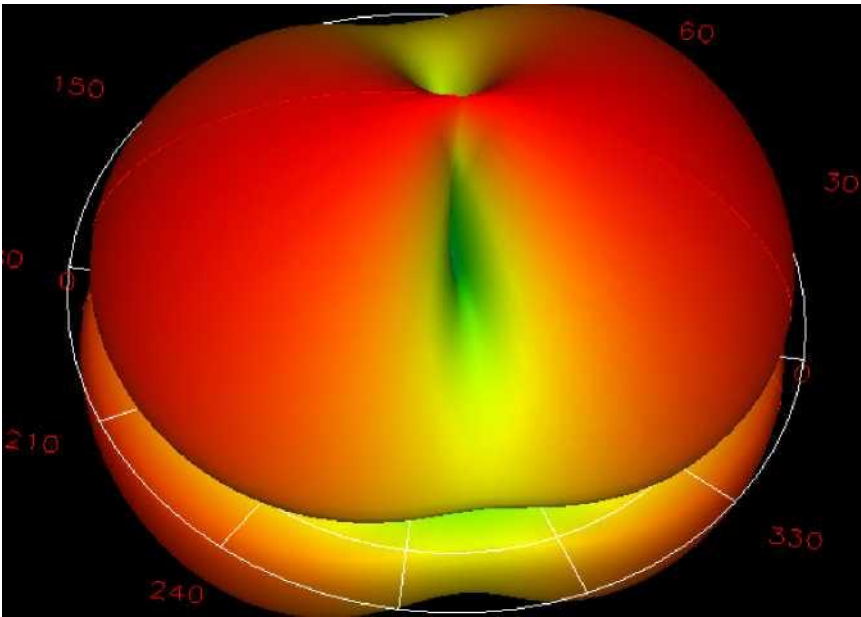
Antenna describe:

Antenna plate	PCB Antenna
Antenna gain	0dBi
Frequency range	2402-2480MHz
Connector type	direct

Radiation pattern@2.402GHZ

Total Average Gain: -0.325dbi

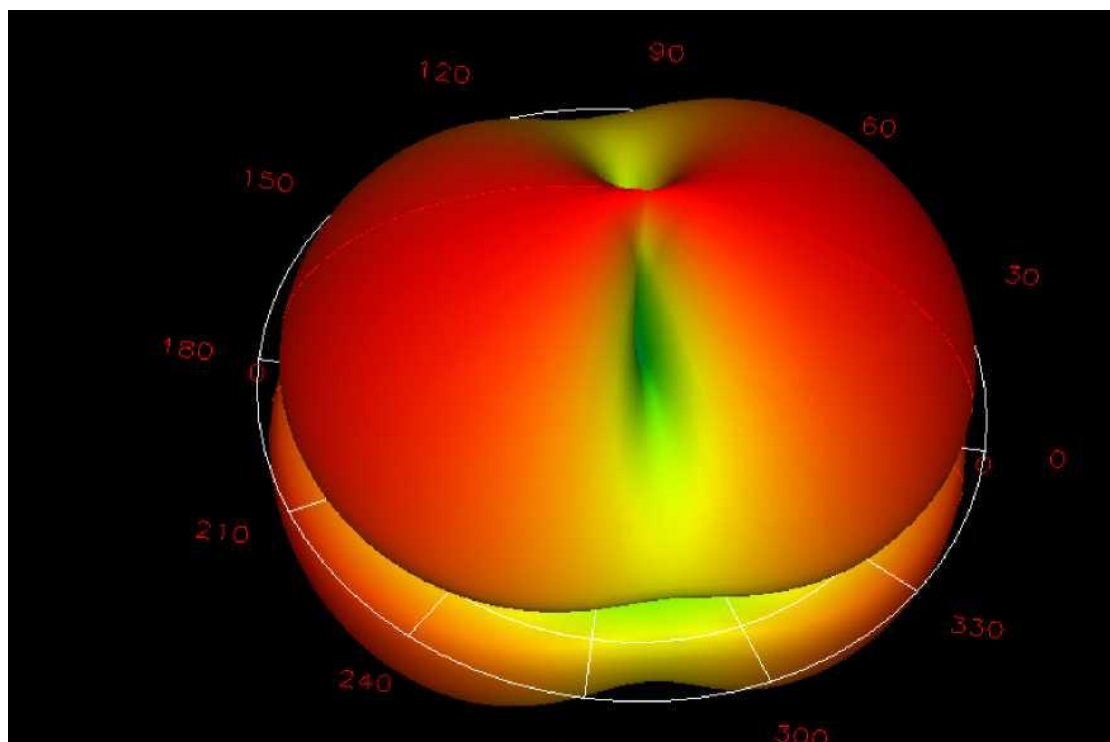
\ Phi	0	45	90	135	180	235	270	315
Gain	-0.1	-0.4	-0.2	-0.6	-0.2	-0.6	-0.7	-0.5



Radiation pattern@2.440GHZ

Total Average Gain: -0.229dbi

\ Phi	0	45	90	135	180	235	270	315
Gain	0	-0.1	-0.3	-0.6	-0.1	-0.2	-0.6	-0.4



Radiation pattern@2.480GHZ

Total Average Gain: -0.471dbi

\ Phi	0	45	90	135	180	235	270	315
Gain	0	-0.1	-0.3	-0.6	-0.1	-0.2	-0.6	-0.4

