Lumi United Technology Co., Ltd

April 23, 2024

Federal Communications Commission
Equipment Authorization Division
7435 Oakland Mills Road
Columbia, MD 21046
USA

Attn: OET Dept.

Ref: FCC Class II Permissive change for FCC ID: 2AKIT-SDLD01

Applicant: Lumi United Technology Co., Ltd

Dear Examiner,

This is to request a Class II Permissive change for FCC ID: 2AKIT-SDLD01 originally granted on 2023.3.9 (date).

The change under this application as below:

The new EUT (Smart Lock U50) model numbers DL-D05D & DL-D05E(they have the same technical construction including circuit diagram PCB layout, hardware version and software version identical, except the model name) and the old EUT (Smart Lock U100) model numbers SDL-D01 & DL-D01D have the same technical construction including circuit diagram and PCB layout in the rear lock, it didn't affect bluetooth and zigbee RF chip performance, the NFC radiated emission Below 1GHz was re-tested. The differences in the new front lock on the basis of the old as below:

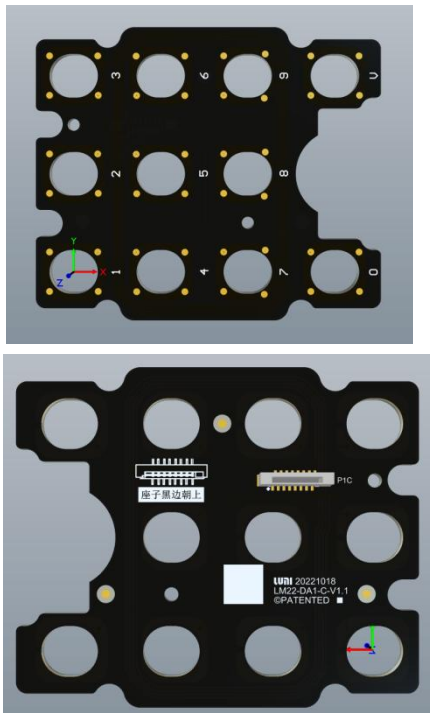
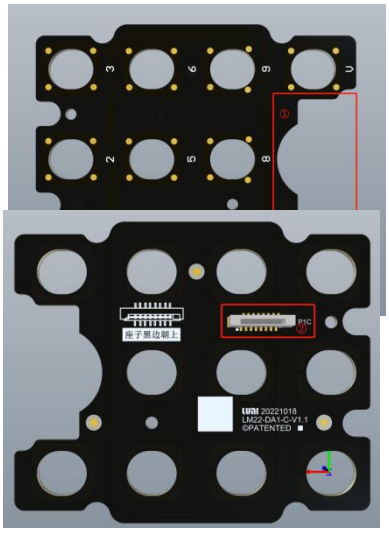
a. The new front lock was canceled the fingerprint.
b. The new front lock C board PCB layout and P1C type were changed.
c. The new front lock B board PCB added 1pc LED 0603 White, 1pc LED 0603 RED and 2pcs 180R 5% 0402, connector P6B type was changed, deleted devices as below:
    a) 150R 0402 1/16W: R104B,R107B;
    b) 51R 0402 1/16W: R105B, R106B, R108B, R110B;
    c) 100K 0402 1/16W: R109B;
    d) 10nF/6.3V 0402 X5R: C107B;
    e) 100nF/16V 0402 X5R: C83B;
    f) 1uF/6.3V 0402 X5R: C82B;
    g) BEAD\300Ω@100MHZ\250mA\0402: L7B;
    h) ESD\Bi\±25/20KV\VRWM=3.3V, VBR=6.5V, Ir=0.1uA, CJ=12pF;

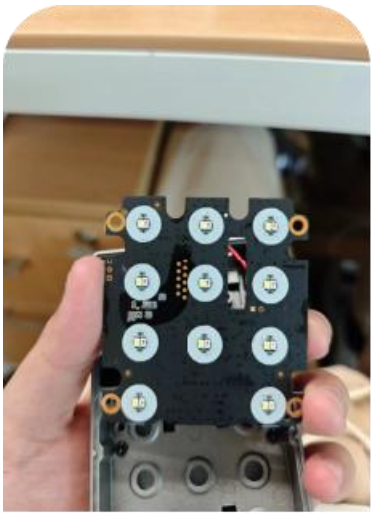
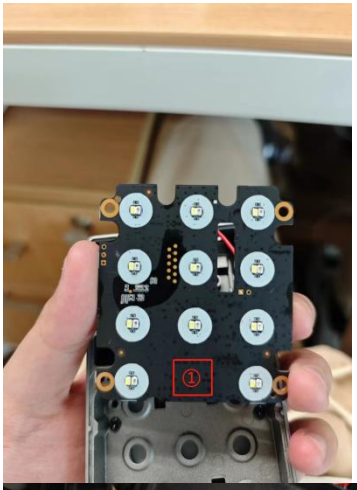
i) Ipp=6A\ SOD-882: D23B,D24B,D25B,D26B,D27B,D28B;

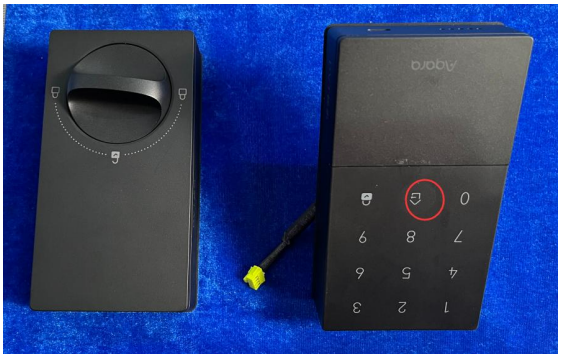
j) CONN: P4B.

front lock RF Function: NFC

Back lock RF Function: BLE+Zigbee

Original		Update	
	Front Lock C board		Front Lock C board PCB: ①layout change ②P1C:change type
1		1	
2	Front Lock B board	2	Front Lock B board PCB: ①Add 1pc LED 0603 White; 1pc LED 0603 RED ; 2pcs 180R 5% 0402; ②Connector P6B: change type; ③Delete device: 150R 0402 1/16W: R104B,R107B; 51R 0402 1/16W: R105B, R106B, R108B, R110B; 100K 0402 1/16W: R109B, 10nF/6.3V 0402 X5R: C107B,

			100nF/16V 0402 X5R: C83B; 1uF/6.3V 0402 X5R: C82B, BEAD\300Ω@100MHZ\250mA\0402: L7B; ESD\Bi\±25/20KV\VRWM=3.3V, VBR=6.5V, Ir=0.1uA, CJ=12pF, Ipp=6A\ SOD-882: D23B,D24B,D25B,D26B,D27B,D28B; CONN: P4B;
	 		 
3	With Fingerprint	**3**	Without Fingerprint

I attest that the certified device will not be capable of ad-hoc mode operation outside of the grant conditions.

Sincerely,

Heidi He

Name: Heidi He **Date: 2024.4.16**

Title: Certification Engineer

Signature of applicant