

ThingsMatrix Inc.  
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## CIIPC Declaration

FCC ID : 2ATV9TMX08-EX

We, ThingsMatrix Inc., declare that we are fully responsible for this CIIPC application of FCC ID: 2ATV9TMX08-EX, originally granted on 04/07/2021.

Now we would like to modify the authorized equipment for below changes:

- 1、Change a DC-DC power chip to model: SY8113B which can provide 3A current output, stronger load capacity, smaller output wave and more stable.
- 2、Add a digital temperature sensor (DS18B20) to monitor the internal working temperature of the host.
- 3、Add an NTC thermistor to monitor the surface temperature of the lithium battery. When the battery temperature exceeds 45°C, the MCU will control and disconnect the power supply of the battery charging chip, thus terminating the battery charging.
- 4、Add RS232 serial communication chip SP3232 to provide external debug interface.
- 5、Regarding sensors, we use lidar sensors instead of ultrasonic sensors.

Except for the changes mentioned above, no other modification is performed. For all the above changes, it neither affects the RF path nor changes the module performance.



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