

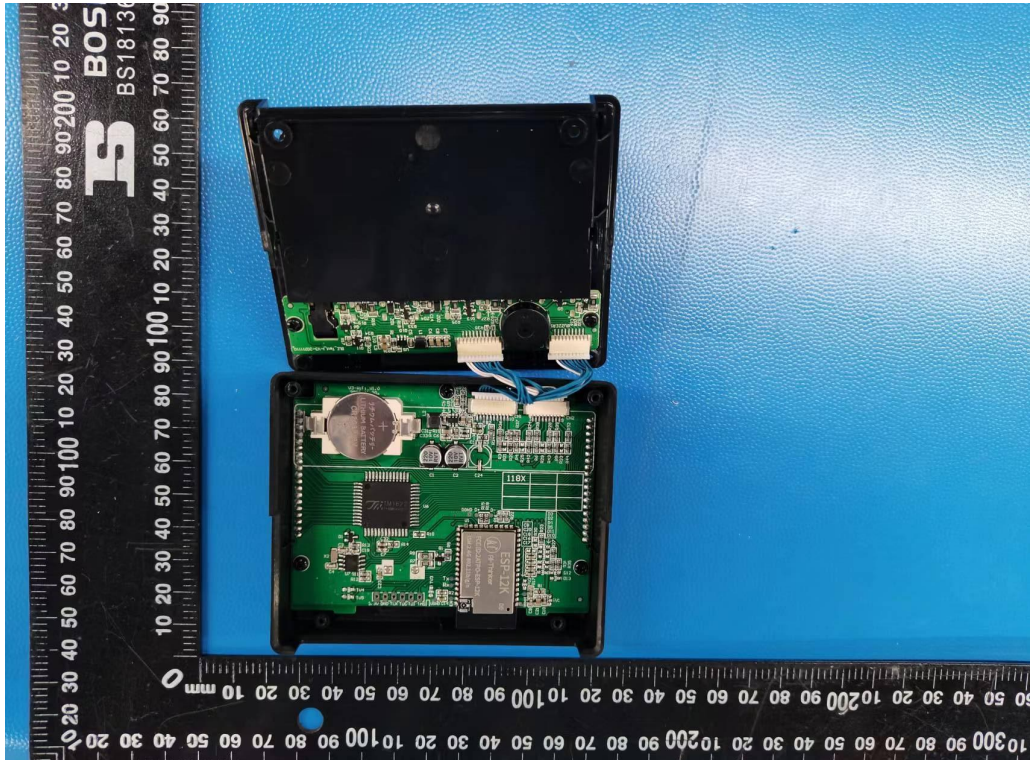


Fig. 1

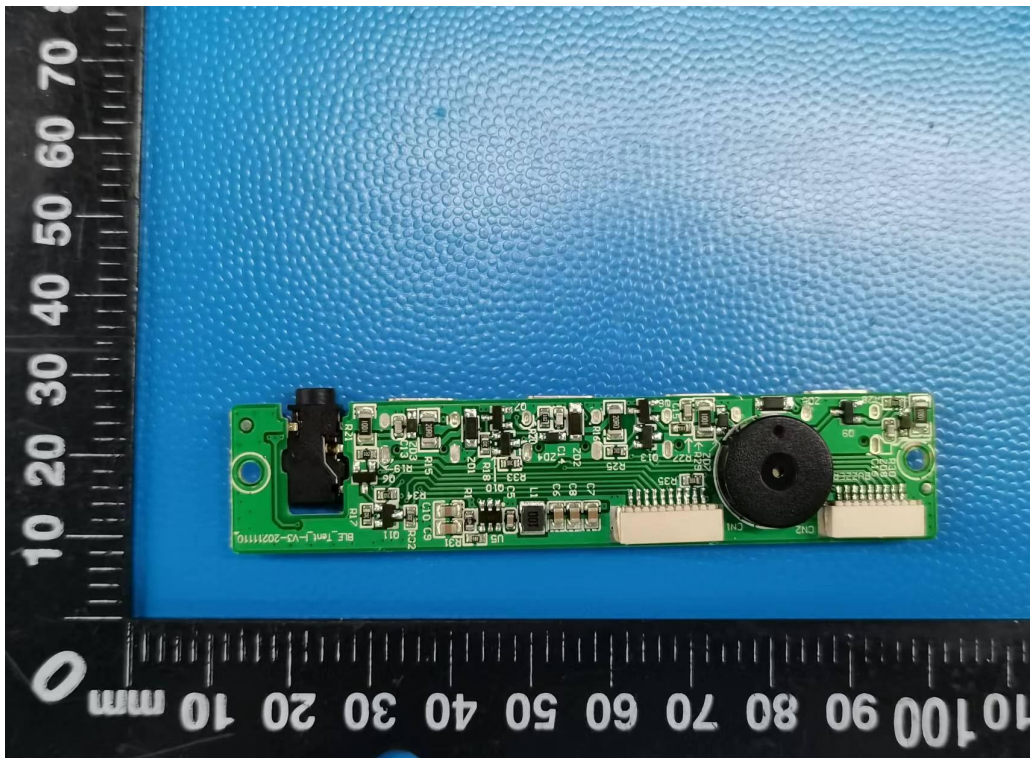


Fig. 2

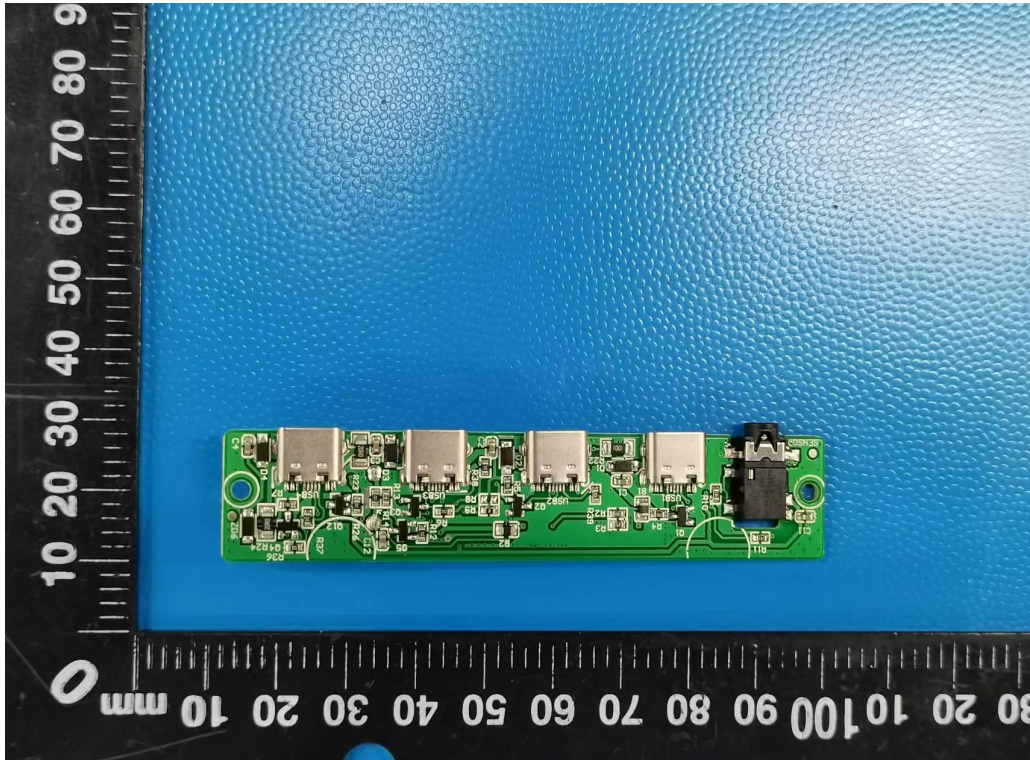


Fig. 3

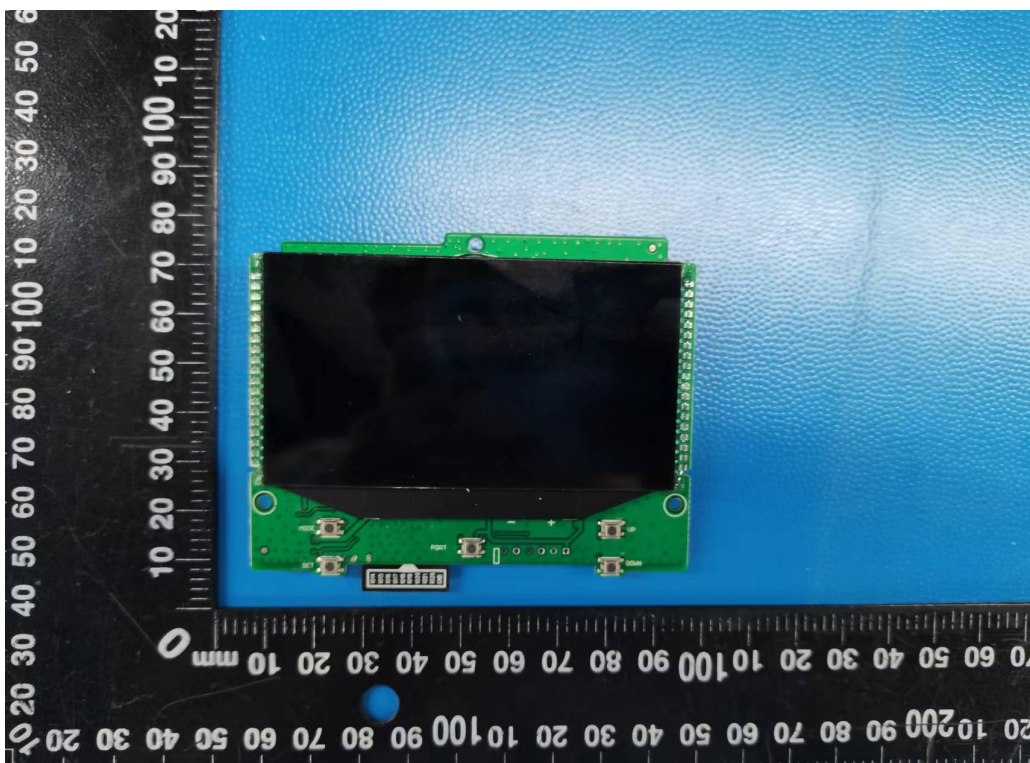


Fig. 4

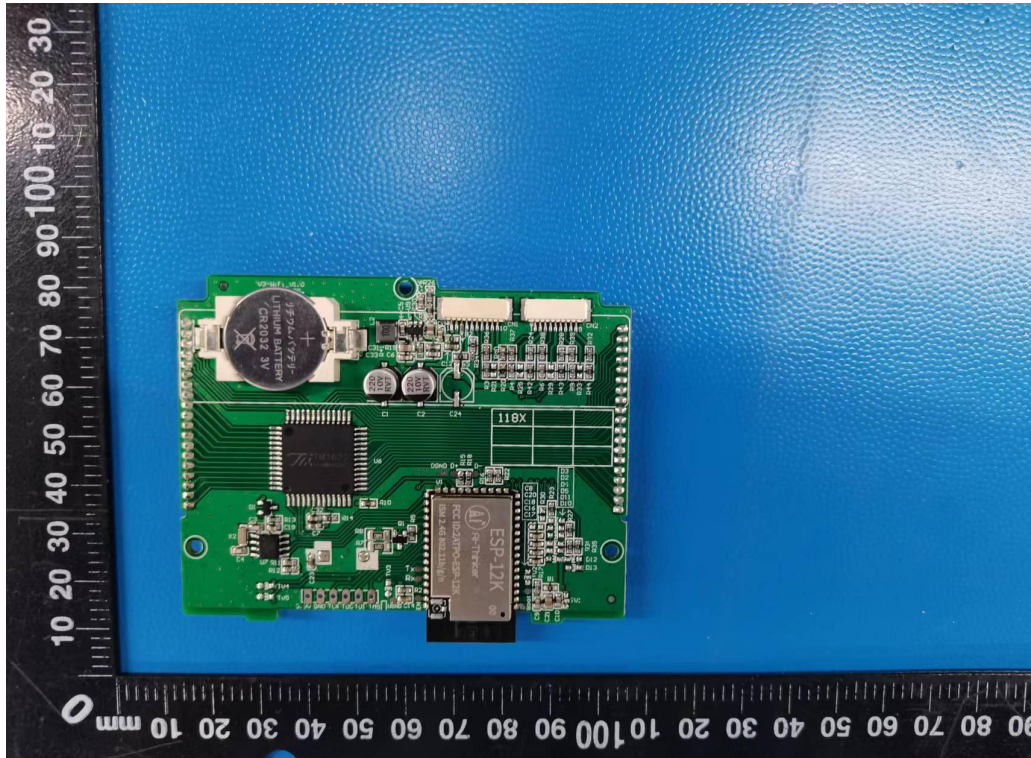
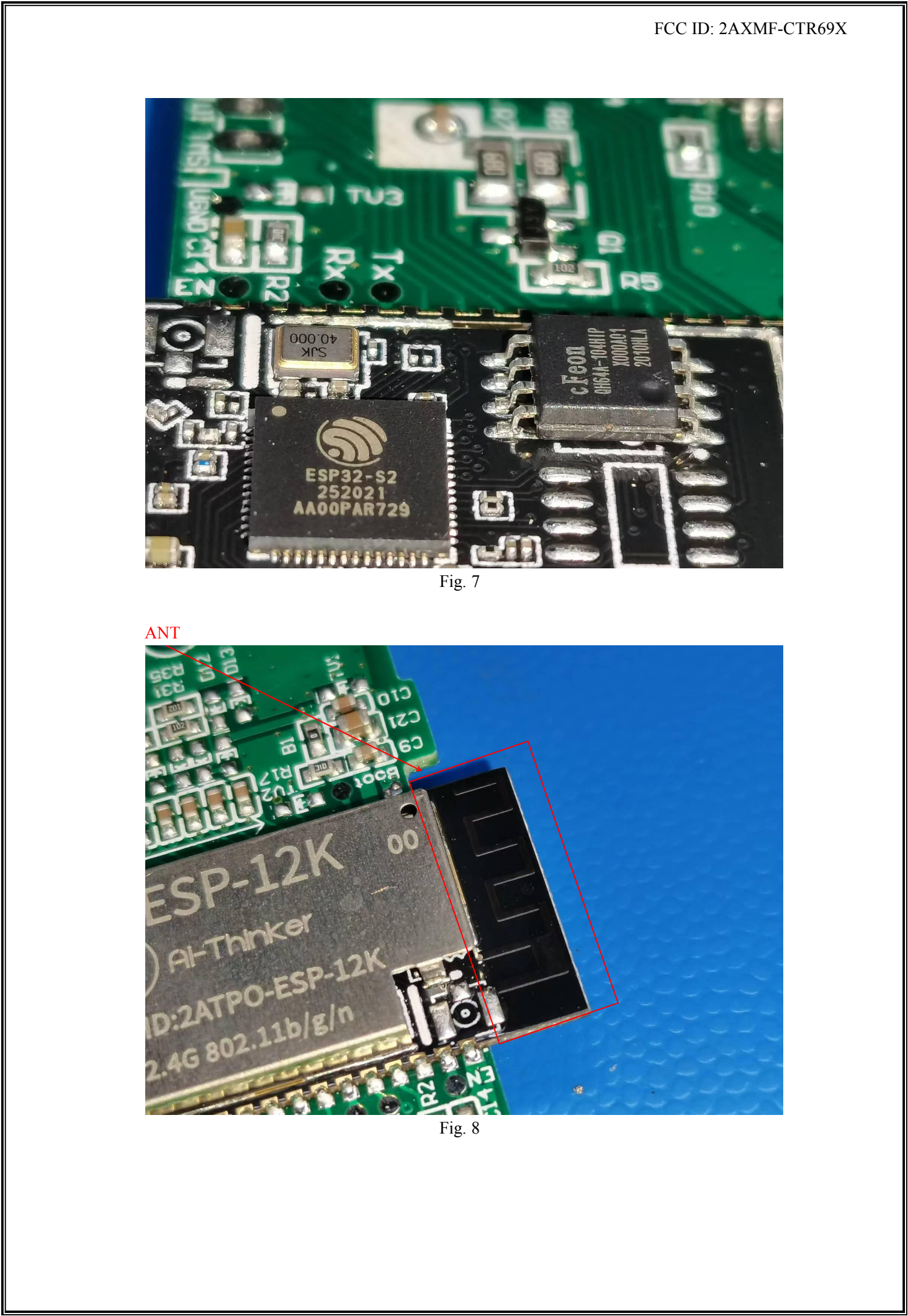


Fig. 5



Fig. 6

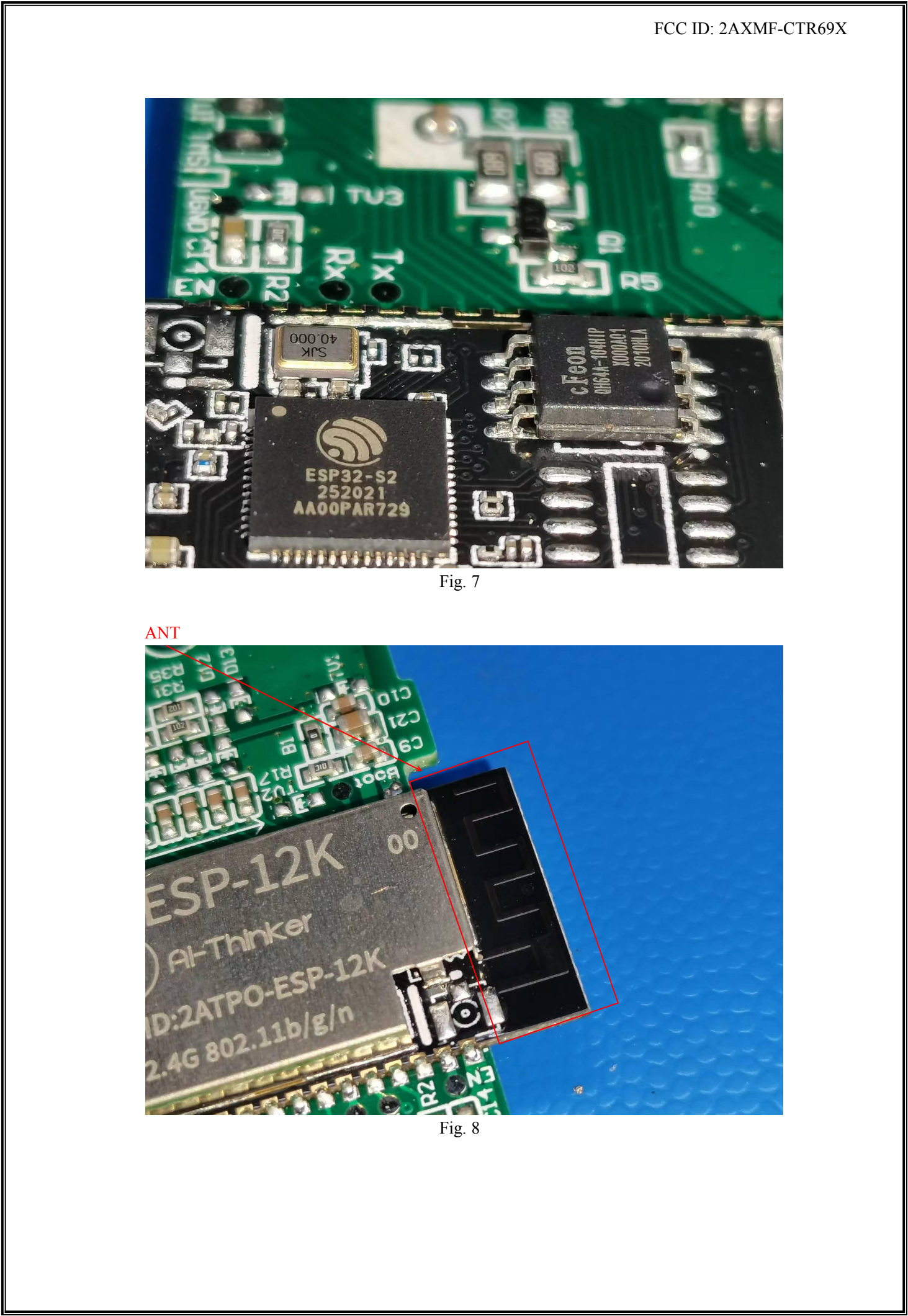


A close-up photograph of a green printed circuit board (PCB). In the center, there is a black ESP32-S2 module with the text "ESP32-S2 252021 AA00PAR729" and a Wi-Fi symbol. To its right is a black integrated circuit labeled "cfe00 QHS4M-104HP X000A01 2010HLA". Above the ESP32 module is a small gold-colored component labeled "SJK 40.000". The PCB has various other components and labels, including "TU3", "Rx", "Tx", "R2", "R5", "EN", "C10", "C21", "C9", "R12", "R17", "R36", "R31", "R35", "R38", "R39", "R40", "R41", "R42", "R43", "R44", "R45", "R46", "R47", "R48", "R49", "R50", "R51", "R52", "R53", "R54", "R55", "R56", "R57", "R58", "R59", "R60", "R61", "R62", "R63", "R64", "R65", "R66", "R67", "R68", "R69", "R70", "R71", "R72", "R73", "R74", "R75", "R76", "R77", "R78", "R79", "R80", "R81", "R82", "R83", "R84", "R85", "R86", "R87", "R88", "R89", "R90", "R91", "R92", "R93", "R94", "R95", "R96", "R97", "R98", "R99", "R100".

Fig. 7

A close-up photograph of an ESP-12K module. The module is a black integrated circuit with the text "ESP-12K 00", "AI-Thinker", "ID:2ATPO-ESP-12K", and "2.4G 802.11b/g/n". It is mounted on a green PCB. A red line points from the word "ANT" to the antenna on the module. The antenna is a black, rectangular, flexible antenna with a red outline. The PCB has various other components and labels, including "C10", "C21", "C9", "R12", "R17", "R36", "R31", "R35", "R38", "R39", "R40", "R41", "R42", "R43", "R44", "R45", "R46", "R47", "R48", "R49", "R50", "R51", "R52", "R53", "R54", "R55", "R56", "R57", "R58", "R59", "R60", "R61", "R62", "R63", "R64", "R65", "R66", "R67", "R68", "R69", "R70", "R71", "R72", "R73", "R74", "R75", "R76", "R77", "R78", "R79", "R80", "R81", "R82", "R83", "R84", "R85", "R86", "R87", "R88", "R89", "R90", "R91", "R92", "R93", "R94", "R95", "R96", "R97", "R98", "R99", "R100".

Fig. 8



A close-up photograph of a green printed circuit board (PCB). In the center, there is a black ESP32-S2 module with the text "ESP32-S2", "252021", and "AA00PAR729" printed on it. To the right of the ESP32 module is a black integrated circuit (IC) with the text "cfeon", "QHS4M-104HP", "X000A01", and "2010HLA" printed on it. Above the ESP32 module is a small gold-colored component with the text "SJK" and "40.000" printed on it. The PCB has various other components, including resistors and capacitors, and is labeled with "Tx", "Rx", "R2", "R5", "TU3", "EN", "R2", "R5", "TU3", "EN", "R2", "R5", "TU3", "EN".

Fig. 7

A close-up photograph of an ESP-12K module. The module is a black integrated circuit (IC) with the text "ESP-12K", "AI-Thinker", "ID:2ATPO-ESP-12K", and "2.4G 802.11b/g/n" printed on it. A red line points from the word "ANT" to the antenna on the module. The antenna is a black, rectangular, flexible antenna. The module is mounted on a green PCB with various other components, including resistors and capacitors, and is labeled with "R2", "R3", "R4", "R5", "R6", "R7", "R8", "R9", "R10", "R11", "R12", "R13", "R14", "R15", "R16", "R17", "R18", "R19", "R20", "R21", "R22", "R23", "R24", "R25", "R26", "R27", "R28", "R29", "R30", "R31", "R32", "R33", "R34", "R35", "R36", "R37", "R38", "R39", "R40", "R41", "R42", "R43", "R44", "R45", "R46", "R47", "R48", "R49", "R50", "R51", "R52", "R53", "R54", "R55", "R56", "R57", "R58", "R59", "R60", "R61", "R62", "R63", "R64", "R65", "R66", "R67", "R68", "R69", "R70", "R71", "R72", "R73", "R74", "R75", "R76", "R77", "R78", "R79", "R80", "R81", "R82", "R83", "R84", "R85", "R86", "R87", "R88", "R89", "R90", "R91", "R92", "R93", "R94", "R95", "R96", "R97", "R98", "R99", "R100".

Fig. 8



Fig. 9



Fig. 10