[0006] No known devices currently exist that may read low frequency, high frequency, and ultra-high frequency RFID tags, and/or emulate low frequency, high frequency, and ultra-high frequency RFID tags in a single device. No known systems currently exist that can obtain RFID data from an RFID card and then emulate the RFID card with a dynamic RFID emulator device.

[0006a] In accordance with an aspect of the present disclosure, there is provided a mobile device comprising: a mobile application configured to: receive information corresponding to an identifier of an RFID tag; and communicate an emulate command to an RFID emulator based on the received identifier.

[0006b] In accordance with another aspect of the present disclosure, there is provided a system comprising: a server; a universal RFID device; and a mobile application configured to: receive information corresponding to an identifier of an RFID tag; upload the information to the server, wherein the server is configured to determine a chip/identifying number of the RFID tag based on the identifier; receive the chip/identifying number of the RFID tag from the server; and communicate an emulate command to the universal RFID device based on the received chip/identifying number.

[0006c] In accordance with yet another aspect of the present disclosure, there is provided a method comprising: receiving, at a mobile application, an identifier of an RFID tag; uploading the identifier from the mobile application to a server; determining, via the server, a chip/identifying number of the RFID tag based on the identifier; and storing, in a database hosted on the server, the chip/identifying number and the identifier.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] FIG. 1 is a block diagram of an example radio frequency identification reader and emulator system.

[0008] FIG. 2a is an illustration of an exterior view of an example radio frequency identification reader and emulator.

[0009] FIG. 2b is an illustration of an exterior view of an example radio frequency identification reader and emulator.

[0010] FIG. 2c is an illustration of a view of an example interior of a casing of a radio frequency identification reader and emulator.

[0011] FIG. 2d is an illustration of an example control button of an example radio frequency identification reader and emulator.

[0012] FIG. 2e is an illustration of a view of an example interior of a casing of a radio frequency identification reader and emulator.

[0013] FIG. 3a is an illustration of a top view of an example circuit board of a radio frequency identification reader and emulator.

[0014] FIG. 3b is an illustration of a bottom view of an example circuit board of a radio frequency identification reader and emulator.

[0015] FIG. 4 is an illustration of an example circuit board within a casing of a radio frequency identification reader and emulator.

[0016] FIG. 5 is an illustration of an example antenna assembly of a radio frequency identification reader and emulator.

[0017] FIG. 6 is an illustration of an example circuit board, battery, and antenna assembly within a casing of a radio frequency identification reader and emulator.

[0018] FIG. 7 is an illustration of an example exploded view of a circuit board, battery, and antenna assembly within a casing of a radio frequency identification reader and emulator.