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Tune Up or Alignment Procedures

There are no Tune-up or Alignment procedures for the MRD5 Mobile Reader. The reader contains two intentional radiators, a Near Field Communication (NFC) circuit and a module for Bluetooth Low Energy (BLE).

The NFC which operates at 13.56 MHz uses a loop antenna on a printed wiring board (PWB). It consists of three loops and measures approximately 1.7" x 3.1". The PWB is located in the top cover and is permanently mounted. The radio transceiver is an NXP CLRC663 device with fixed output power.

The BLE is manufactured by Microchip Inc., model RN4020. The module has an integrated antenna and is soldered on the main circuit board. Firmware controls the transmit output power.

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