



Professional Testing (EMI), Inc.  
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On behalf of DLP Design, Professional Testing (EMI), Inc. is seeking a modular approval for the UHF2 tag reading transmitter. Requirements listed in FCC part 15.212 are addressed below.

- 1) The device has a RF shield covering the RF generating portion of the circuit board.
- 2) The external data inputs are routed to a FTDI FT232RL USB microcontroller. All of the data inputs are buffered.
- 3) The module is powered from regulated USB source of 5 Volts to the USB controller IC, which then produces a locally regulated 3 Volt supply for the RF circuits.
- 4) The antenna requirement is satisfied by the use of reverse polarity SMA connectors.
- 5) The module was tested connected to USB equipped notebook computers.
- 6) A sticker is affixed to the back side of the UHF1B. The manual contains the explicit directions to label the exterior of the device into which the UHF1B is integrated with "Contains FCC ID: SX9UHF1B".
- 7) The Users Manual explains that any modifications may strictly void the certification and a separate approval must be obtained.
- 8) Emissions are far below the RF Exposure limits.

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