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2.2 EUT Description and Operation

The Equipment Under Test (EUT) is the 3M™ Model 7210 Digital SelfCheck™ System, Serial Number 6210351.

The 3M™ Model 7210 Digital SelfCheck™ System allows library patrons to check out and check in library items on their own. The system emulates the checkout and checkin procedures performed by a librarian.

The reader has a transmit frequency of 13.561 MHz. And a power output level of 1.00 watts (30 dBm).

The EUT has an integral antenna with an area of 42.45 square inches (0.028 square meters). The antenna is adhered to the back of the sense/desense coil cover of the EUT and is connected to the reader via a coax cable employing SMC connectors.

All tests were made using an input of 120 V RMS, 60 Hz, and single-phase power.