

EUT Description and Operation

The Equipment Under Test (EUT) is the 3M™ Model 701 Digital Library Assistant, Serial Number Prototype - Sample 2.

The 3M™ Model 701 Digital Library Assistant (DLA) is designed and tested for use in processing 3M™ Brand Digital Identification D1Tags. These tags are used to identify library items, like books and videotapes, for the library users. The DLA:

1. Reads 3M Brand Digital Identification D1 Tags placed in items that are arranged on a shelf or on a desk, and
2. Processes identification codes that can, for example, be compared with customer-generated lists to determine shelf order, aid in reshelving items, and identify items the library is interested in locating.

The product has not been tested or proven safe for other uses.

The reader has a transmit frequency of 13.561 MHz. And a power output level of 1.000 watts (30 dBm).

The EUT has an integral antenna with an area of 22.69 square inches (0.015 square meters). The antenna located in the front portion of the handheld unit of the EUT and is connected to the reader via a coax cable employing SMC connectors.

All tests were made using a battery input of 7.2 volts DC.