

XII. Operational Description

Information required by Section 2.1033(b) 1 - 12

1. The Applicant for the FCC ID: **AZ492FT7000**, Model: HDT401 is:

Motorola, Inc.
8000 West Sunrise Blvd.
Ft Lauderdale, FL 33322

The Grantee and Manufacturer of the FCC ID: **H9PLA2400** Model:
WLAN2400 PCMCIA PC Card is:

Symbol Technologies, Inc.
One Symbol Plaza
Holtsville, NY 11742

2. New FCC ID: **AZ492FT7000**
3. Please refer to Exhibit VIII Instruction Manual for the HDT401 and to the data filed under FCC ID: **H9PLA2400** for data applicable to the intentional radiator only.
4. Please refer to Exhibit originally filed under FCC ID: **H9PLA2400** for a description of the Intentional Radiator circuitry and function.

The only antenna available for the HDT401 is the Motorola: Part Number: 8586289T01. The antenna, integrated within the HDT401, is a monopole antenna with 1.2 dBi of gain. A photo of the assembly is contained in Exhibit 9. The antenna is permanently attached within the case and not accessible to the user and should comply with Part 15.203 as a permanent antenna. Further, the connector from the antenna assembly to the Intentional Radiator is a MuRatta RFA connector, which should also comply with Part 15.203.

5. Exhibit IV is a block diagram of the HDT401. For a block diagram of the intentional radiator please refer to the Exhibit originally filed under FCC ID: **H9PLA2400**.

Information required by Section 2.1033(b) 1 – 12, continued.

6. Please refer to test results filed 10/17/00 under FCC ID: **H9PLA2400** for a Class II Permissive Change adding the antenna used in the HDT401 to the antennas approved for use with the Symbol Technologies, Inc. FCC ID: **H9PLA2400**.
7. Exhibits III and IX are external and internal photographs of HDT401. For detailed photographs of the intentional radiator only please refer to exhibit originally filed under FCC ID: **H9PLA2400**.
8. Data Cables Available:
 - 1.) FKN4886A Serial cable (1m) standard EIA RS-232 DB9
 - 2.) FKN4871A Serial cable (1m) coiled for Camero printer DIN8
 - 3.) FKN4792A Serial cable (20cm) DB25 with negative supply pin
 - 4.) FKN4793A Serial cable (1m) DB25 with power pins
9. This equipment is not subject to the transition provisions of Part 15.37.
10. Please refer to exhibit originally filed under FCC ID: **H9PLA2400** describing the associated receiver compliance with Part 15.247(b) 10.
11. Does Not Apply
12. Does Not Apply

Additional Technical Information

1. Technical Characteristics

- 1a.) Technical description: HDT401 is a Handheld Data Terminal with Integrated 2.4 GHz Spread Spectrum radio in the form factor of a PCMCIA PC card.
- 1b.) Transmitter Application: The transceiver is integrated within the HDT401 Handheld Data Terminal and used for remote data collection and wireless communications with a LAN.
- 1c.) Power Supply Available: FNN6001B Battery – Lithium Ion 3.6 V, 1450 mAH
- 1d.) Antenna available: Part Number: 8586289T01. The antenna is integrated within the HDT401 and is a monopole antenna with 1.2 dBi of gain

1e.) Data Cables Available:

- a) FKN4886A Serial cable (1m) standard EIA RS-232 DB9
- b) FKN4871A Serial cable (1m) coiled for Camero printer DIN8
- c) FKN4792A Serial cable (20cm) DB25 with negative supply pin
- d) FKN4793A Serial cable (1m) DB25 with power pins

1f.) Housing: The transmitter and antenna are integrated within the HDT401 handheld data terminal. The terminal is a rugged portable used for data capture and wireless transmission to a LAN.