

## **FCC ID: B5D-AP200MW**

### **Operational Description**

The DSSS transmitter and receiver of the EUT (High power 802.11b Access Point) is powered via a PCMCIA interface to the LAN interface PCB. The transmitter and receiver of the EUT are connected to a 14.5 dBi sector antenna (Telex model 2444) through a 15 foot length of Times Microwave LMR-400 cable. The transmitter and receiver may use separate similar antennas in a diversity mode. The LAN interface PCB is connected to an outdoor-rated Ethernet cable (CAT-5) from which it receives both data and DC power. The DC power is injected onto wires 4,5,7 and 8 from a Power-over-Ethernet (PoE) box, which is connected to an AC-DC wall adaptor, which is connected to a 120VAC power source. The Internet Service Provider's equipment is also connected to the PoE box with a length of CAT-5 Ethernet cable.

The DSSS transmitter and receiver consists of a PCMCIA radio card, Senao model NL-2511CD PLUS EXT2 (FCC ID: NI3-2511CD-PLUS3).

The following antenna and cable combinations may be used in this system:

Telex model 2444 sector antenna, 14.5 dBi gain AND 15 feet of LMR-400 cable  
Telex model 2442 sector antenna, 14 dBi gain AND 15 feet of LMR-400 cable  
Telex model 2443 sector antenna, 12 dBi gain AND 3 feet of LMR-400 cable  
Telex model 2445 sector antenna, 12 dBi gain AND 3 feet of LMR-400 cable  
Telex model 2439 omni antenna, 9.5 dBi gain AND 3 feet of LMR-400 cable  
Telex model 2437 omni antenna, 7.5 dBi gain AND 3 feet of LMR-400 cable