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# CIRRONET<sup>TM</sup>

8 September 2003

PO Box 1138  
Suwanee, Georgia 30024

REF: WIT5811 Module Certification

Dear Mr. Wismer:

Regarding Part 15 Unlicensed Modular Transmitter Approval, the following requirements called out in FCC Public Notice DA 00-1407 are observed:

1. The WIT5811 has its own RF shielding.
2. The modulation point is internal to the WIT5811, there are no data or modulation inputs provided.
3. The WIT5811 employs on board power supply regulation.
4. The WIT5811 employs a MMCX connector. According to FCC Public Notice, DA 00-2225, the MMCX qualifies as a unique antenna coupler.
5. The WIT5811 was tested in a stand-alone configuration.
6. The WIT5811 has a label with the FCC ID: HSW-5811M
7. The WIT5811 complies with FCC 15.247 for digital transmission systems. An Integration Guide is provided for every module sold. This guide instructs the user in the proper operation of the device. The text in the guide specifies FCC Part 15 compliance:

**Note:** This unit has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Commensurate with EIRP limits specified in FCC Rules 15.247b, this device may not be used with antennas that exceed 36dB of gain in point-to-point applications or 16dB of gain in multi-point applications.

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8. The use of the WIT5811 in any application where the antenna is 20 cm or less distance to the body is not allowed. This is specified in the Integration Guide previous to the Table of Contents. The text follows:

#### **Maximum Permissible Exposure (MPE) Limits**

- **Information to user/installer regarding FCC s Maximum Permissible Exposure (MPE) limits.**
- **Notice to users/installers using the following fixed antennas, with Cirronet RF products:**

Mobile Mark 14dBi Corner Reflector,  
Cirronet 13dBi Patch  
Mobile Mark 9dBi Omnidirectional

The field strength radiated by any one of these antennas, when connected to Cirronet RF products, may exceed FCC mandated RF exposure limits. FCC rules require professional installation of these antennas in such a way that the general public will not be closer than 20 cm from the radiating aperture of any of these antennas. End users of these systems must also be informed that RF exposure limits may be exceeded if personnel come closer than 20 cm to the apertures of any of these antennas.

- **Notice to users/installers using the following mobile antenna, with Cirronet RF products:**

Ace 2dBi dipole

The field strength radiated by any one of these antennas, when connected to Cirronet RF products, may exceed FCC mandated RF exposure limits. FCC rules require professional installation of these antennas in such a way that the general public will not be closer than 20 cm from the radiating aperture of any of these antennas. End users of these systems must also be informed that RF exposure

limits may be exceeded if personnel come closer than 20 cm to the apertures of any of these antennas.

Sincerely,

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