

Rhein Tech Laboratories, Inc.  
360 Herndon Parkway  
Suite 1400  
Herndon, VA 20170  
<http://www.rheintech.com>

Client: Spot Devices  
Model: SC320027  
Standards: FCC 15.247/IC RSS-210  
ID's: YDQ-SC320027/9567A-SC320027  
Report #: 2010201

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Please refer to the following page•.

# Spot DEVICES

March 14, 2011

To Whom It May Concern;

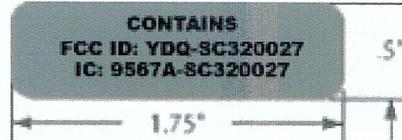
Spot Devices Inc (FRN 0019785989) is hereby requesting Modular Approval for our product FCC ID: YDQ-SC320027, pursuant to Part 15 Unlicensed Modular Transmitter.

Please see the following, which addresses the eight points required, as enumerated in FCC Document DA 00-1407.

1. The modular transmitter has its own RF shielding. It does not rely on specific installation practices to comply with Part 15.
2. The module does not have modulation/data inputs. The data is generated in the on-board microprocessor and then buffered and modulated in the radio chip; thus the modulation input is not accessible to the user.
3. The module RF circuitry has its own power supply regulation. The Atmel AT86RF231 RF IC contains an internal 1.8V regulator for the synthesizer and transmitter circuits and a 1.8V regulator for the digital circuits. There is an on-board 2.0V regulator for the Power Amplifier.
4. The modular transmitter complies with the antenna requirements of Section 15.203 and 15.204(c). The antenna and transmitter employ MMCX connectors. The compliance testing is to be performed with the desired antenna which is the only one approved for use with the device. This device will be installed by a professional installer and will not be sold as a consumer product.
5. The module will be tested in a stand-alone configuration. The length of the DC power lines will be the length of actual use. See the test report for further details.
6. The module (which is a PCB) will have the following text printed on the front side:

**SPOT DEVICES**  
**MODEL: SC320027**  
**FCC ID: YDQ-SC320027**  
**IC: 9567A-SC320027**

Also, the Grantee will affix the following permanent, metallic label to the exterior of the end-product enclosure:



Finally, the Grantee will include the following language on a label affixed to the exterior of the end-product enclosure:

**This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:**

- 1. this device may not cause harmful interference, and**
- 2. this device must accept any interference received, including interference that may cause undesired operation.**

7. The module complies with 15.247 requirements. There are no restrictions in the operation of the device as the modulation and duty factor are set by the internal microprocessor and Atmel AT86RF231 which forces compliance with the rule.
8. The module is compliant with all applicable RF exposure requirements. Please see the separate Maximum Permissible Exposure Calculations document for details.

Sincerely,

A handwritten signature in black ink, appearing to read "Denver Hinds".

Denver Hinds  
VP Product Development  
Spot Devices