

## Harnois, Steven

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**From:** Dave Radomski [dmr@npas.com]  
**Sent:** Friday, March 03, 2006 11:36 AM  
**To:** Harnois, Steven  
**Subject:** FW: RFI Specifications

Steve,

The DataMaster DMT will be submitted for independent testing to document the instruments immunity to Radio Frequency interference. As the specifications vary depending on whether they are international (CE), national (UL/CSA) or industry (OIML) testing agencies, the exact protocol that provides the most logical certification will be utilized.

Submittal will occur once the next configuration of circuit boards and enclosure metal work is received and approved by N.P.A.S. It is expected that the time frame for having this configuration of DMT ready for testing in the Spring of this year.

Testing will include, minimally, the parameters set forth in the OIML requirements document R126-1 (November 2004).

A summary of the test follows:

Test for proper instrument operation when subjected to Radiated, Radio Frequency, and Electromagnetic fields as defined:

Frequency range: 26 MHz to 2000 MHz  
Modulation: 80%AM, 1 kHz, sine wave  
Field strength: 10 V/m

The following will be used to test immunity through power and other connectors attached to the instrument:

Frequency range: 0.15 MHz to 26 MHz  
Modulation: 80%AM, 1 kHz, sine wave  
RF amplitude (50 Ohm): 10V

In addition, CSA testing may be pursued which will involve testing to the international standards as defined in:

EN 61000-6-3:2001 for general emissions

and

EN 61000-6-1:2001 for immunity testing

Should you have any questions, please let me know.

Dave