



UNIVERSITY OF MICHIGAN  
COLLEGE OF ENGINEERING  
THE RADIATION LABORATORY  
DEPARTMENT OF ELECTRICAL ENGINEERING  
AND COMPUTER SCIENCE

3228 EECS BUILDING  
1301 BEAL AVENUE  
ANN ARBOR, MICHIGAN 48109-2122  
734 764-0500 FAX 734 647-2106  
<http://www.eecs.umich.edu/RADLAB/>

Re: Certification for Delphi Delco UWB Radar  
Model: 12237659  
FCC ID: L2C0023TR  
IC: 3432A-0023TR

POWER OF ATTORNEY

A letter granting Valdis V. Liepa the Power of Attorney is on file and can be provided when so requested.



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REQUEST FOR CONFIDENTIALITY

Pursuant to 47 CFR 0.459, Delphi Delco requests that a part of the subject application be held confidential. This comprises Exhibits

- (5) Schematics
- (10) Parts List (Part of Exhibit only)

Delphi Delco has spent substantial effort in developing this product and it is one of the first of its kind in industry. Having the subject information easily available to "competition" would negate the advantage they have achieved by developing this product. Not protecting the details of the design will result in financial hardship.

If there are any questions regarding this request, please contact me at the above address or call 734-483-4211, fax 734-647-2106 or e-mail [liepa@umich.edu](mailto:liepa@umich.edu).

Sincerely,

A handwritten signature in black ink that reads "Valdis V. Liepa".

Valdis V. Liepa  
Research Scientist  
University of Michigan



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REQUEST FOR SHORT-TERM CONFIDENTIALITY

Delphi Delco requests that a part of the subject application be held short-term confidential. This comprises Exhibit(s)

(5) Internal Photos

The device in question will not be available to the consumer until the 2006 automotive model year, approximately 8 months from the time of this request. Thus, Delphi Delco requests that the internal photos not be made public at this time.

If there are any questions regarding this request, please contact me at the above address or call 734-483-4211, fax 734-647-2106 or e-mail [liepa@umich.edu](mailto:liepa@umich.edu).

Sincerely,

A handwritten signature in cursive script that reads 'Valdis V. Liepa'.

Valdis V. Liepa



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October 12, 2004

Re: Certification for Delphi Delco UWB Radar  
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STATEMENT OF MODIFICATIONS

There were no modifications made to the DUT by this test laboratory. (Also see Section 3.1 of the attached Test Report).

A handwritten signature in black ink that reads 'Valdis V. Liepa'.

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Valdis V. Liepa  
Research Scientist



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### GENERAL PRODUCT INFORMATION

The device, for which certification is pursued, has been designed by:

Delphi Automotive Systems  
One Corporate Center  
Kokomo, IN 46904-9005

Bill Lusa  
Tel: 734-484-1387  
Fax: 734-484-1389

It will be manufactured by:

Delphi Delco Electronics de Mexico SA de CV  
Reynosa  
Carrertera Reynosa - Matamoros Km 13.5  
Parque Industrial  
Codigo Postal 88780  
Partado Postal 1201  
Reynosa, Tamaulipas, Mexico

Bill Lusa  
Tel: 734-484-1387  
Fax: 734-484-1389

Canadian Contact:

Richard Wilkins  
c/o Delphi Energy and Chassis Systems  
Oshawa, Ontario L1N 7S6  
[richard.wilkins@delphi.com](mailto:richard.wilkins@delphi.com)  
Ph. (905)644-5216

## Joseph D Brunett

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**From:** LabHelp [LabHelp@fcc.gov]  
**Sent:** Friday, September 17, 2004 2:59 PM  
**To:** Valdis V. Liepa  
**Subject:** RE: 15.515 / 15.521 Measurements

**Question:**

If the peak detected emissions from a device meet the RMS EIRP limits, with all Spectrum Analyzer settings identical to the requested RMS detected method except with peak detection, is that sufficient to demonstrate compliance with said limits? (Since the peak detected values will always be greater than the RMS detected values for every bin of the spectrum analyzer output.)

Our Spectrum Analyzer does not have the built in RMS detector function and, so long as the device meets the EIRP limits with a peak detector, we prefer not to use the alternative method for determining RMS values as it is an exceptionally long and complicated test.

**Answer:**

Yes, you can use a peak detector. Use of a peak detector is sufficient to demonstrate compliance with the RMS limits.