



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: Class II Permissive Change/Re-assessment  
for Omron 6U5T-19136 Transmitter  
Model: 6U5T-19136  
FCC ID: OUCD6000022  
IC: 850K-D6000022

#### 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 CRF 0.459, Omron requests that a part of the subject application be held confidential. This comprises Exhibits

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

Omron 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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October 17, 2005

Re: Class II Permissive Change/Re-assessment  
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#### CHANGES MADE

The current Transmitter was modified as listed below:

Initially, C12 and R8 were modified to improve battery performance along with a software change in the microprocessor. However, it was determined that these changes caused variation in the higher harmonics, thus requiring re-tuning of the antenna. Resulting in changes to C6 and L1.



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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, reading 'Valdis V. Liepa'.

Valdis V. Liepa  
Research Scientist



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### GENERAL PRODUCT INFORMATION

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

Omron Automotive Electronics Corporation  
3709 Ohio Street  
St. Charles, IL 60174

Nick Karnezos  
Tel: 630 443-6800 Ext. 347  
Fax: 630 587-0578

It will be manufactured by:

Omron Automotive Electronics Corporation  
3709 Ohio Street  
St. Charles, IL 60174

Nick Karnezos  
Tel: 630 443-6800 Ext. 347  
Fax: 630 587-0578

Canadian Contact:

John Stoneman  
[john.stoneman@omron.com](mailto:john.stoneman@omron.com)  
Tel: (905)829-0137 x 2100  
Fax: (905)829-8987  
OMRON Dualtec Automotive Electronics Inc.  
2291 Winston Park Dr.  
Oakville Ontario, CA L6H6R7



OMRON AUTOMOTIVE ELECTRONICS, INC.

3709 Ohio Avenue  
St. Charles, IL 60174  
Telephone: 630-443-6800  
FAX: 630-443-6898

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American TCB  
6731 Whittier Ave.  
McLean, VA 22101

**Acknowledgement of IC Listing Requirements**

By signing this document, we acknowledge that any information specified on the ATCB **Application and Agreement Form for Industry Canada Certification Services** provided with this application may be provided to Industry Canada. We acknowledge that this information may be posted in the Radio Equipment List (REL) on the Department's Web Site. Additionally, we understand that we must inform ATCB of any changes to the information submitted.

We further acknowledge that the Certified product shall not be distributed, leased, or offered for sale in Canada prior to its listing on the Industry Canada Radio Equipment List (REL). We are aware that we may verify the status of this listing at the following web address:

[http://strategis.ic.gc.ca/cgi-bin/sc\\_mrksv/spectrum/reltelSearch/search.pl?lang=e&db=rel](http://strategis.ic.gc.ca/cgi-bin/sc_mrksv/spectrum/reltelSearch/search.pl?lang=e&db=rel)

Dated this 6 day of December, 2004

By:

  
(Signature)

Nikolaos Karnezos  
(Print name)

Title: Senior Technology and EMC Specialist

email: nick.karnezos@omron.com

On behalf of: OMRON Automotive Electronics Inc.

Telephone: (630)443-6800 x347



OMRON AUTOMOTIVE ELECTRONICS, INC.  
3709 Ohio Avenue  
St. Charles, IL 60174  
Telephone: 630-443-6800  
FAX: 630-443-6898

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Attn: Director of Certification

**Authority to Act as Agent**

I appoint Valdis V. Liepa, University of Michigan to act as our agent in the preparation of this application for equipment certification. I certify that submitted documents properly describe the device or system for which equipment certification is sought. I also certify that each unit manufactured, imported or marketed, as defined in Industry Canada's regulations will have affixed to it a label identical to that submitted for approval with this application.

For instances where our authorized agent signs the application for certification on our behalf, I acknowledge that all responsibility for complying with the terms and conditions for Certification, as specified by American TCB, still resides with Omron Automotive Electronics Inc, at 3709 Ohio St, St Charles Illinois 60174.

Dated this 6 day of December, 2004

Agency Agreement Expiration Date: (Typically 8-12 months)

By:

  
\_\_\_\_\_  
(Signature)

Nikolaos Karnezos  
\_\_\_\_\_  
(Print name)

Title:

Senior Technology and EMC Specialist

On behalf of: OMRON Automotive Electronics Inc.  
\_\_\_\_\_  
(Company Name)

Telephone: (630)443-6800 x347