



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 Lear LF Transmitter
Model: 95810-4D100
FCC ID: KOBHL05TPM
IC: 3521A-HL05TPM

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, Lear requests that a part of the subject application be held confidential. This comprises Exhibits

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

Lear 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.

Sincerely,

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

Valdis V. Liepa
Research Scientist
University of Michigan



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CHANGES MADE

The current LF Transmitter was modified as listed below:


Antenna tank matching circuitry was changed to reduce emissions in the AM radio band.
See attached revision table for detailed information on the component changes made.

REVISION

LETTER	DESCRIPTION	DATE	APPROVED
AE	Corrected vendor part numbers Added capacitor on U3 pin 1; C9 Removed V1 & C2 from the design	05/21/04 5/24/04	SH
AF	Added R12, 0402 1 Mohm resistor, C8,4,6,9 was 0805 become 0603 parts; Items 1,2,3 changed to reflect changed PCB; Lear pn change X1 to L0071101AA; S/W updated rev 3.5	06/04/04	SH
AG	S/W updated rev 3.6 Key Electronic to On Semi on Q3 Changed Cap. to BME C4, C5, C6, C8, C9	08/31/04	SH
AH	S/W Updated to rev 3.7, L0053136AF; Micro Assy changed to L0053135AF; D1 changed from L0007318 to L0007348; C3 part number change from L0060078 to L0001354; updated tolerance on C7, Added C2 & C10 (100pF, L0028533), C11 & C12 (100nF, L0028541AA), L1 (100uH, L0096207AA), L2 & L3 (18uH, TBD), C4, C8 become 100nF 0805, L002854 1AA, C6, C9 (was 10 nf, 0603, becomes 100nf 0603 25 volt parts, L00575584AA), circuit board revs to AG level	03/22/05	SH
AJ	Customer Part number change from 95810-3L200 to 95810-4D100. Bottom cover changes to AB level to reflect molded in part number change. Vendor Part number change for programmed micro PIC16F630T-E/SL034. Final assembly bumped to AJ level.	4/12/2005	

PARTS AND QUALIFIED VENDORS LIST	
CUSTOMER PART NUMBER: 95810-3L200	TITLE: LFI With Mechanics Hyundai TPMS MY2005
APPROVALS	SAFETY ITEM: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Prep.:	DRAWING NUMBER SPC000000000200
Chk.:	REVISION AJ
Eng. Appr.:	
Mfg. Concurrence	

LEAR's FINAL ASSEMBLY NUMBER:
L0043222AJ



ESD
5200 Auto Club Dr.
Dearborn, MI 48126



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DESCRIPTION OF OPERATION

No modifications have been made to the operation of this device since the previous filing, and thus no Description of Operation information is enclosed in this submittal.



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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'.

Valdis V. Liepa
Research Scientist



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GENERAL PRODUCT INFORMATION

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

Lear Corporation
5200 Auto Club Drive
Dearborn, MI 48126

Thomas LeMense
Tel: 313.593.9658
Fax: 313.240.3062

It will be manufactured by:

Lear Corporation
2200 Linden Ave
Zanesville, OH 43701

Thomas LeMense
Tel: 313.593.9658
Fax: 313.240.3062

Canadian Contact:

Tom Odell
1908 Colonel Sam Drive
Oshawa, ON.
L1H 8P7
Tel: (905) 644 - 7103

THIS MUST BE SIGNED BY THE APPLICANT AND SHOULD BE PLACED
ON APPLICANTS LETTERHEAD ONLY IF AGENT IS SUBMITTING
APPLICATION

American TCB
6731 Whittier Ave.
McLean, VA 22101

Acknowledgement of IC Listing Requirements

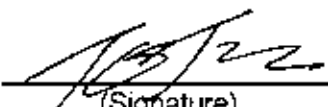
By signing this document, we acknowledge that any information specified on the ATCB **Application and Agreement Form for Industry Canada Certification Services** provided with this application may be provided to Industry Canada. We acknowledge that this information may be posted in the Radio Equipment 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

Dated this 28th day of September, 2004.

By:



(Signature)

Tom Tang

(Print name)

Title:

RF Engineering Manager

email:

ttang@lear.com

On behalf of:

Lear Corporation

(Company Name)

Telephone:

313-593-9934

THIS MUST BE SIGNED BY THE APPLICANT AND SHOULD BE PLACED
ON APPLICANTS LETTERHEAD ONLY IF AGENT IS SUBMITTING
APPLICATION

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 Tom Tang, 5200 Auto Club Drive, Dearborn, MI 48126.

Dated this 28th day of September, 2004.

Agency Agreement Expiration Date: 2 years

By:



(Signature)

Tom Tang

(Print name)

Title:

RF Engineering Manager

On behalf of:

Lear Corporation

(Company Name)

Telephone:

313-593-9934