



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
for Lear Receiver
FCC ID: KOBFR07C214
IC: N/A

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 0.457(d) and 0.459, Lear requests that a part of the subject application be held confidential.

Type of Confidentiality Requested		Exhibit
<input type="checkbox"/> Short Term	<input type="checkbox"/> Permanent	(1) ID Label & Location
<input type="checkbox"/> Short Term	<input type="checkbox"/> Permanent	(3) External Photos
<input type="checkbox"/> Short Term	<input type="checkbox"/> Permanent	(4) Block Diagram
<input type="checkbox"/> Short Term	<input checked="" type="checkbox"/> Permanent	(5) Schematics
<input type="checkbox"/> Short Term	<input type="checkbox"/> Permanent	(7) Test Setup Photos
<input type="checkbox"/> Short Term	<input type="checkbox"/> Permanent	(8) User's Manual
<input type="checkbox"/> Short Term	<input type="checkbox"/> Permanent	(9) Internal Photos
<input type="checkbox"/> Short Term	<input checked="" type="checkbox"/> Permanent	(10) Parts List & Placement
<input type="checkbox"/> Short Term	<input type="checkbox"/> Permanent	(11) RF Exposure
<input type="checkbox"/> Short Term	<input type="checkbox"/> Permanent	(12) Description of Operation

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.

Permanent Confidentiality:

Lear requests the exhibits listed above as permanently confidential be permanently withheld from public review.

Short-Term Confidentiality:

Lear requests the exhibits selected above as short term confidential be withheld from public view for a period of 45 days from the date of the Grant of Equipment Authorization and prior to marketing.

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,

Valdis V. Liepa, Research Scientist
 University of Michigan



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June 17, 2007

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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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IC: N/A

GENERAL PRODUCT INFORMATION

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

Lear Corporation
5200 Auto Club Dr.
Dearborn, MI 48126-9982
Contact: Bill Lusa
bill@w-app.com
Tel: 734-484-1387
Fax: 734-484-1389

It will be manufactured by:

Lear Corporation – ESD
C/Fusters 54 43800
VALLS (Tarragona) Spain
Contact: Antonio Tomas Amenos
bill@w-app.com
Tel: + 34 977 617 774
Fax: + 34 977 617 203

Canadian Contact: N/A



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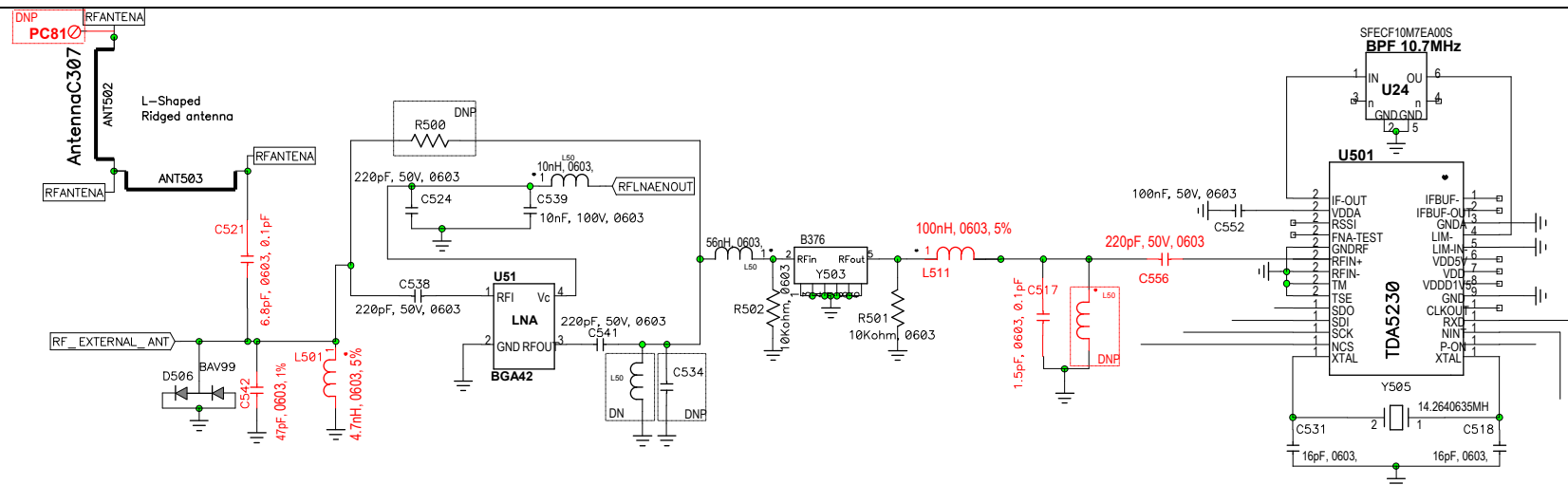
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CHANGES MADE

The current Receiver was modified in comparison to the original application as listed below:

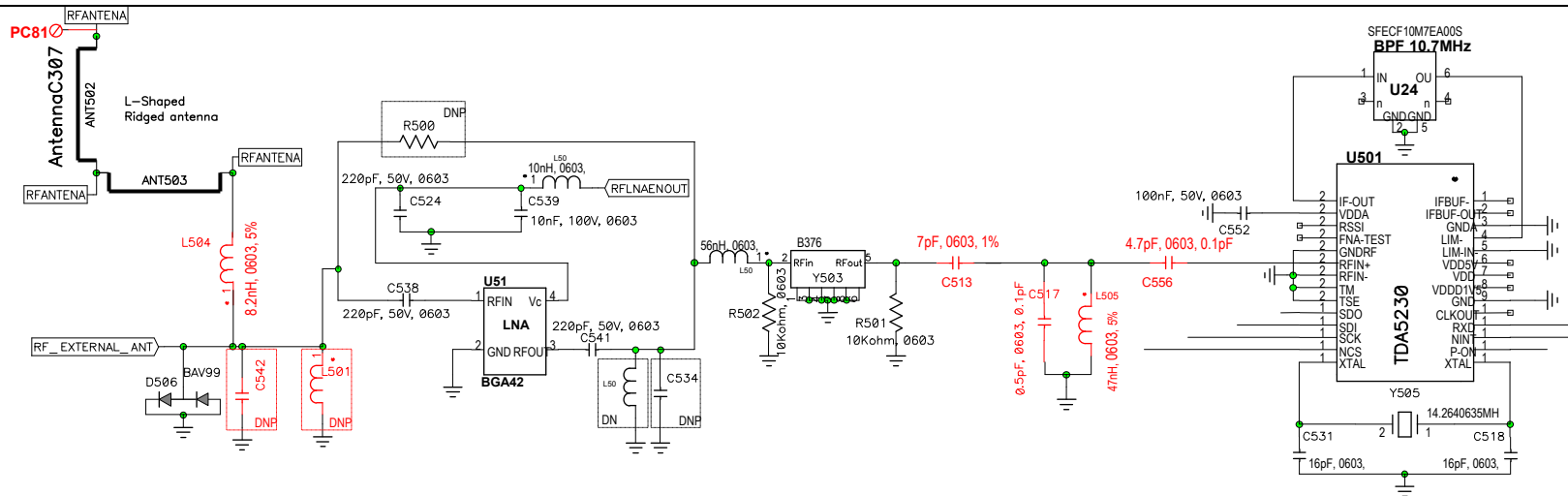
RF section matching and antenna layout have been modified. See the following schematic.

New 315MHz RKE receiver population



Antenna = 2 rigid elements
 C521 = 6.8pF, 0603, 0.1pF
 C542 = 47pF, 0603, 1%
 L501 = 4.7nH, 0603, 5%
 L511 = 100nH, 0603, 5%
 C517 = 1.5pF, 0603, 0.1pF
 L505 = Not populated
 C556 = 220pF, 50V, 0603

Old 315MHz RKE receiver population



Antenna = 2 rigid elements + 1 long pin (PC81) + 1 PCB track

L504 = 8.2nH, 0603, 5%

C542 = Not populated

L501 = Not populated

C513 = 7pF, 0603, 1%

C517 = 0.5pF, 0603, 0.1pF

L505 = 47nH, 0603, 5%

C556 = 4.7pF, 0603, 0.1pF