





NVLAP ACCREDITED NARTE Certified Engineer Professional Engineer

Federal Communications Commission

Equipment Approval Services, P.O. Box 358315

Pittsburgh, PA 15251-5315

Attention: Authorization & Evaluation Division

Re: Application for Certification of Gentex Corporation Transmitter under 47CFR 15.231.

FCC ID: NZLACHL3

Gentlemen:

On behalf of the applicant, Gentex Corporation, please find attached the submittal materials for certification of the Universal Garage Door Opener transceiver in an NVS® Mirror. The model is NZLACHL3. This unit is capable of learning the current garage door transmit frequencies from 288MHz through 420MHz except in the forbidden frequency regions.

The complete List of the Exhibits in this submittal package appears on Page 2 of this cover letter.

The Federal Communications Commission will be notified, in writing, of any changes in the software/programming of the device that could affect the device's RF characteristics.

A copy of a 'Power of Attorney" is included to demonstrate that AHD has been authorized to provide the service of preparing this application.

Your prompt consideration of this application for product certification will be greatly appreciated. Should you have any questions regarding the content of this report, kindly contact me.

Sincerely,

Ted Chaffee,

Technical Lab Manager

Narte Certified Engineer, #EMC-002025-NE

Ted Cheffee

tel/fax: 269. 424.7014 email: tchaffee@ahde.com

449606.DOC

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Letter of Request of Confidentiality

Total Pages 1

EXHIBIT A:

ID Label / Location [2.925,2.926,2.1033(b2,7),15.19(a3)]

EXA Label.doc, EXA Labellocation.pdf Total Pages 2

EXHIBIT B:

Description of Product [2.1033(b6)] EXB_desc.doc Total Pages 1
Description of Operation [2.1033(b4)] EXB_operation.doc Total Pages 1
Circuit Block Diagram [2.1033(b5)] EXB_Blockdiagram.doc Total Pages 1
Schematics [2.1033(b5)] EXB_schematic.pdf Total Pages 8

EXHIBIT C:

Product photos ten photos Total Pages 10

: Interior & Printed Circuit Boards [2.1033(b7)] Eight photos

 $\label{eq:exc_3pcbtop_jpg} \mbox{EXC_3PCBtop.jpg}, \mbox{ EXC_LCDPCBtop.jpg}, \mbox{ EXC_HL3PCBbtm.jpg}, \mbox{ EXC_LCDPCBbtm.jpg}$

EXC_CPUPCBtop/jpg. EXC_CPUCBbtm.jpg

Exterior views [2.1033(b7)] Two photos

EXC_Mirrorfrnt.jpg, EXC_Mirrorrear.jpg

EXHIBIT D:

User's Manual EXD_UserManual.doc Total Pages 6

EXHIBIT E:

Setup photos [2.1033(b8)] Four photos Total Pages 4

EXE pretest.jpg, EXE side.jpg, EXE end.jpg, EXE flat.jpg

Report of Measurements [2.1033(b6)] Total Pages 28

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Manufacturer/Applicant [2.1033(b1)] Page 4

Measurement/Test Facility & Equipment Page 4

Configuration/Setup [2.1033(b8)] Page 5

Test Standards / Methods Used [2.1033(b6)] Page 8

Test Methodology [2.1033(b6)] Page 8

Test Data [2.1033(b6)]

Summary of Results Page 6
Level vs Supply Voltage [15.31(e)] Page 14
Occupied Bandwidth Page 15
Radiated Field Strength [15.231(b)] Page 17

Misc. EXHIBIT:

RF Exposure Information [2.1093(c)]

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