

GENTEX CORPORATION

June 12, 2024

Federal Communication Commission
Equipment Approval Services, P.O. Box 358315
Pittsburgh, PA 15251-5315
Attention: Authorization & Evaluation Division

Application for Certification of Gentex Corporation Transmitter under 47 CFR 15.247.
Model: EG-01-AC-00 FCC ID: NZLEG-01-AC-00

To whom it may concern,

Gentex Corporation requests a Class 2 Permissive change for module FCC ID: NZLEG-01-AC-00. eSight Go will be the host device which is a wearable digital vision enhancement device. It uses a high-resolution camera, OLED screens, and advanced image processing algorithms to capture the visual world and display enhanced video in real-time. Submitted here are materials for your consideration in determining the certification for this module.

Please issue a grant upon adequate evaluation of our report. The change is the installation location, where the module will now be within 20cm of the user. Module FCC ID: NZLEG-01-AC-00 was originally certified for mobile devices. Installation within the eSight Go glasses (host device) will change the module's device category from mobile to portable. The module's implementation in this host device is in compliance with its manufacturer's (Murata) reference trace requirements. Since the module will be used for a portable application, the module's original power levels were reduced for Wi-Fi 802.11 b/g/n to meet RF Exposure requirements. Gentex Corporation. The power levels were reduced by 6.33 dBm for 802.11b, 9.39 dBm for 802.11g, and 9.46 dBm for 802.11n.

In addition, the device operates in the 2.4GHz bands (Wi-Fi & Bluetooth). The Wi-Fi function allows connection for device updates and remote support and the Bluetooth function involves pairing to a remote.

The Federal Communications Commission will be notified, in writing of any changes in the software/programming of this device that could affect its RF characteristics. Please do not hesitate to contact me with any questions you may have regarding this report. As always, we look forward to your timely response.

Sincerely,



Brian Miller
Lab Regulatory Group Leader II
Gentex Corporation