

Rogers Labs, a division of The Compatibility Center LLC

7915 Nieman Rd.
Lenexa, KS 66214
Phone / Fax (913) 660-0666

**Class 2 Permissive Change RF Exposure Exhibit
for**

HVIN: GMN-03000

2402-2480 and 2412-2462 MHz (DTS)
2402-2480 MHz (FHSS) and 5180-5240 MHz (U-NII)

FCC ID: IPH-04286

Garmin International, Inc.

1200 East 151st Street
Olathe, KS 66062

Test Report Number: 260203

Test Date: February 3, 2026 – March 20, 2026

Authorized Signatory: 

Patrick Powell

Rogers Labs, a division of The Compatibility Center LLC

FCC Designation: US5305

FCC Registration Number: 315994

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Revisions

Revision 1 Issued: July 17, 2026 – initial release.

Executive Summary

The following information is submitted for consideration in processing Class 2 Permissive Change (C2PC) of authorized equipment. The model GMN-03000 (FCC ID: IPH-04286) has been granted authorization operating under Code of Federal Regulations Title 47 (47CFR) Part 15C paragraph 15.247, operation in the 2400 – 2483.5 MHz band as both a Digital Transmission System and Frequency Hopping Spread Spectrum system and 47 CFR Paragraph 15E (15.407), U-NII-1 new rules, 5180-5240 MHz bands, LE-LAN transmitter.

The new model variations implement an 8” graphical display in both Portrait and Landscape orientations. The change has no affect on the transmitters in this device and hence no effect on output power and no ramifications on RF Exposure reports submitted with the original certification.

Name of Applicant: Garmin International, Inc.
1200 East 151st Street
Olathe, KS 66062

HVIN: GMN-03000

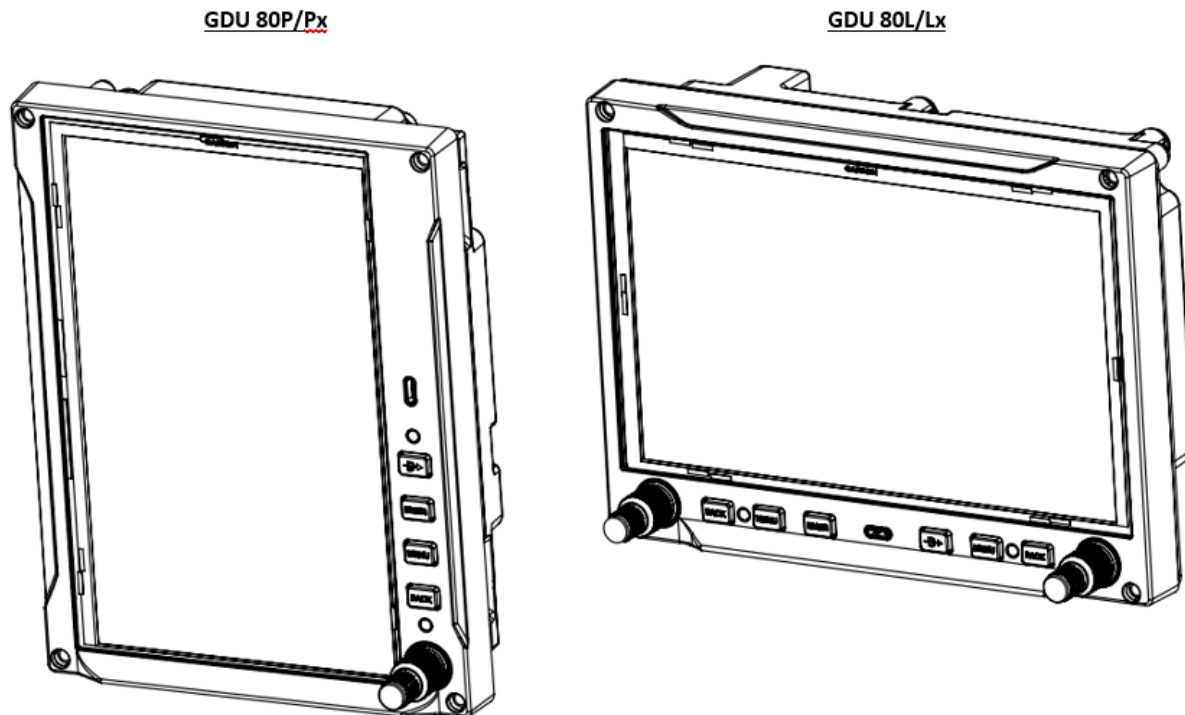
FCC ID: IPH-04286

Operating Frequency Range: 2402-2480 MHz and 5180-5240 MHz

Change to Equipment from Original Design

The information contained in this report address hardware modifications to add different graphical display options: an 8" portrait and an 8" landscape orientation. The transmitter design remains electrically identical and functionally equivalent to the original equipment authorization. This report documents operation to demonstrate continued compliance with regulations.

All models implement identical radios as the same PCB is implemented. Portrait and Landscape displays provide differing front panel designs as the landscape variant provides additional user interfaces. See drawing below. Difference between GDU 80P and GDU 80Px is software application only. Both units are identical from a hardware perspective. Same statement applies to the GDU 80L and GDU 80Lx.



Equipment

Model: GMN-03000

Garmin International, Inc.

1200 East 151st Street

Olathe, KS 66062

Description	Part Number	Serial Number
GMN-03000 (8" Portrait EUT #1)	011-05800-05	8J3000008
GMN-03000 (8" Landscape EUT #2)	011-05800-15	8J5000003
X3 Main Harness	T00-00846-00	N/A
SMA RF 50Ω Load	N/A	N/A
BNC RF 50Ω Load	N/A	N/A
USB-C Drive	N/A	N/A
RS-232 to serial adapter	N/A	N/A
Laptop Computer	Latitude 74870	EFSPSN2

Test results in this report relate only to the items tested. Worst-case configuration data recorded in this report.

The design may operate one transmitter chain at a time on a given radio (#1 or #2) but is capable of simultaneous transmission of one radio #1 transmitter and one radio #2 transmitter.

Software (FVIN): 1.00b; Antennas: Bluetooth & 2.4 GHz WiFi - PIFA (8.0 dBi); 5.2 GHz PIFA (-4.4 dBi)

Equipment Operational Modes

Radio #	Mode #	Standard
1	1	BT BR (GFSK)
1	2	BT (2EDR $\pi/4$ DQPSK)
1	3	BT (3EDR 8DPSK)
1	4	BT BLE (GMSK)
1	5	2.4G 802.11b
1	6	2.4G 802.11g
1	7	2.4G 802.11n
1	8	U-NII-1 802.11a
1	9	U-NII-1 802.11n20
1	10	U-NII-1 802.11n40
1	11	U-NII-1 802.11ac20
1	12	U-NII-1 802.11ac40
1	13	U-NII-1 802.11ac80
2	14	2.4G 802.11b
2	15	2.4G 802.11g
2	16	2.4G 802.11n
2	17	U-NII-1 802.11a
2	18	U-NII-1 802.11n20
2	19	U-NII-1 802.11n40
2	20	U-NII-1 802.11ac20
2	21	U-NII-1 802.11ac40
2	22	U-NII-1 802.11ac80

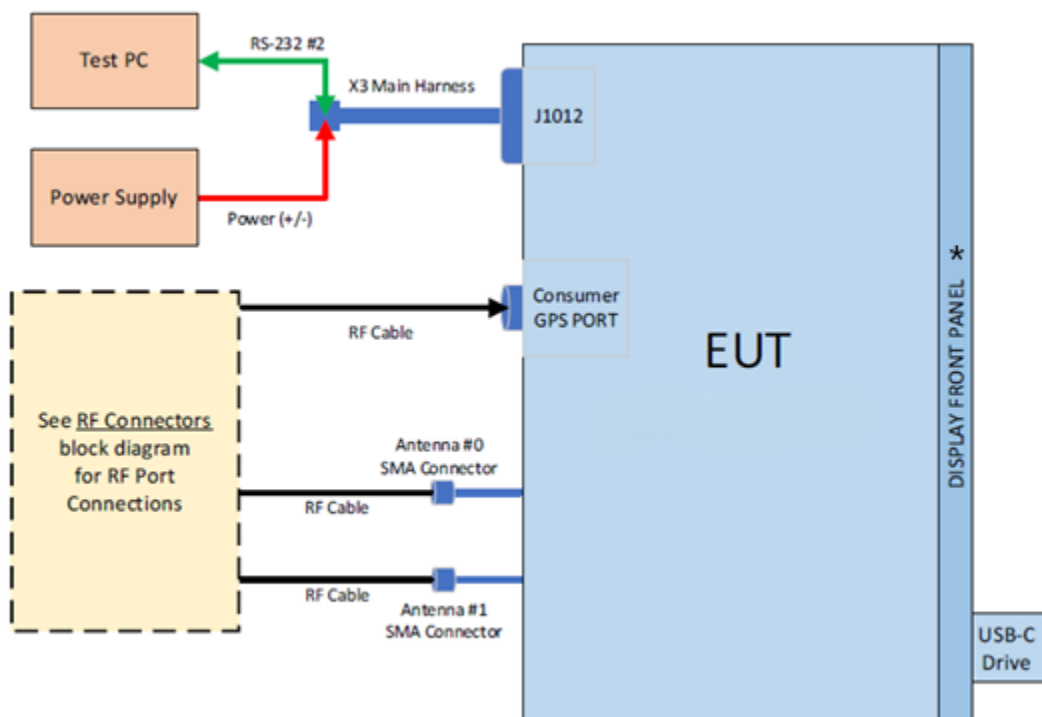
Equipment Function

The GMN-03000 is an aeronautical display providing 2.4 GHz and 5 GHz wireless communication. The device is marketed as Aircraft Panel Mounted Display Unit. This report documents the performed testing and results for applicable configuration and product operation. As requested by the manufacturer and required by regulations, the equipment was tested for emissions compliance using the available configurations with the worst-case data presented. Test results in this report relate only to the products described in this report.

Antenna Requirements

The EUT incorporates integral non-user accessible system. Production equipment offers no provision for connection to alternate antenna system. The antenna connection point complies with the unique antenna connection requirements. There are no deviations or exceptions to the specification.

Equipment Configuration



* Two versions:
8" Portrait LCD
8" Landscape LCD

Applicable Standards

In accordance with the Federal Communications Code of Federal Regulations, dated February 17, 2026: Part 2, Subpart J, Paragraphs 2.1043, KDB 178919 D01 Permissive Change Policy v06, operation in the 2400.0-2483.5 MHz and 5180-5240 MHz Frequency bands. Test procedures used are the established Methods of Measurement of Radio-Noise Emissions as described in ANSI C63.10-2020.

Justification for no new RF Exposure Testing

The modifications implemented under this Class II Permissive Change affect only the non-RF portions of the device. There have been no changes to:

- RF circuitry
- Operating frequencies
- Maximum conducted or radiated output power
- Tune-up procedure
- Antenna type or maximum gain
- Antenna placement
- Simultaneous transmission capability
- Minimum separation distance
- Device operating classification (mobile/portable/fixed)

Accordingly, the RF exposure characteristics of the device remain unchanged from the originally certified configuration, and the previously approved RF exposure evaluation continues to be applicable. No new RF exposure evaluation is required in our opinion.

Laboratory Certificate of Accreditation

United States Department of Commerce
National Institute of Standards and Technology

NVLAP[®] **ILAC-MRA**

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200087-0

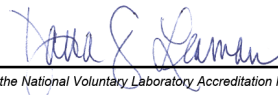
Rogers Labs, a division of The Compatibility Center LLC
Lenexa, KS

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listed on the Scope of Accreditation, for:*

Electromagnetic Compatibility & Telecommunications

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).*

2025-03-11 through 2026-03-31
Effective Dates

 
For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology

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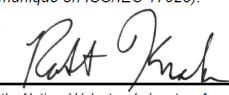
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2026-03-17 through 2027-03-31
Effective Dates

 
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7915 Nieman Road
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Phone: (913) 660-0666
Revision 1

HVIN: GMN-03000
Test #: 260203
Test to: 47CFR 2.1043
File: GMN-03000 C2PC RFExp FCC-IC 260203 r1

Garmin International, Inc
FCC ID: IPH-04286
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Date: July 19, 2026
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