

Test Report 2022-016

Version B

Issued 21 Nov 2022

Project GCL-0200

Test Setup Photographs

Primary Test Standard: FCC Part 15.247; RSS-247 Iss. 5 Amd. 1

Garmin Compliance Lab

Garmin International
1200 E 151st Street
Olathe Kansas 66062 USA

Client-supplied Information
FCC: IPH-04396; IC: 1792A-04396



See section 6 of this report regarding the presence or absence of accreditation logos or marks on this cover page.

1. Summary

This document contains photographs removed from Test Report 2022-15 based on confidentiality, and this report is treated as part of that report via reference. Information about the test samples, procedures, and results are to be found in that report.

Report Organization

For convenience of the reader, this report is organized as follows:

1. Summary
2. Test Background
3. Report History and Approval
4. Photographs Removed
5. Other Removed Material, if any
6. Test Standards Applied
7. Concluding Notes

2. Test Background

The testing reported here was performed at the Garmin Compliance Test Lab, an organization within Garmin International, located at 1200 E 151st St, Olathe Kansas, USA. The contact telephone number is +1.913.397.8200.

The testing was performed on behalf of the Garmin Marine business, a separate organization located at 1200 E 151st St, Olathe Kansas, USA.

3. Report History and Approval

This report is initially issued on 24 Oct 2022 as Version A.

Version B included the photograph for conducted spurious emissions, and was created on 21 Nov 2022.

It was written by David Arnett.

Report Technical Review:

David Arnett
Technical Lead EMC Engineer



Handwritten signature of David Arnett, with "GCL" written below it, over a horizontal line.

Report Approval:

Shruti Kohli
Manager Test and Measurement (EMC, Reliability and Calibration)



Handwritten signature of Shruti Kohli, with "GCL only" written below it, over a horizontal line.

4. Photographs Removed

The following material is associated with the conducted spurious emission data. It would have appeared near page 18 in GCL Test Report 2022-015 and is relevant for all spurious conducted emission tests.



Figure TR30.3: Test setup

The following material is associated with the restricted band radiated emission data. It would have appeared in the vicinity of page 45 in GCL Test Report 2022-015.

Setup Photographs

The following photographs show the EUT configured and arranged in the manner in which it was measured.

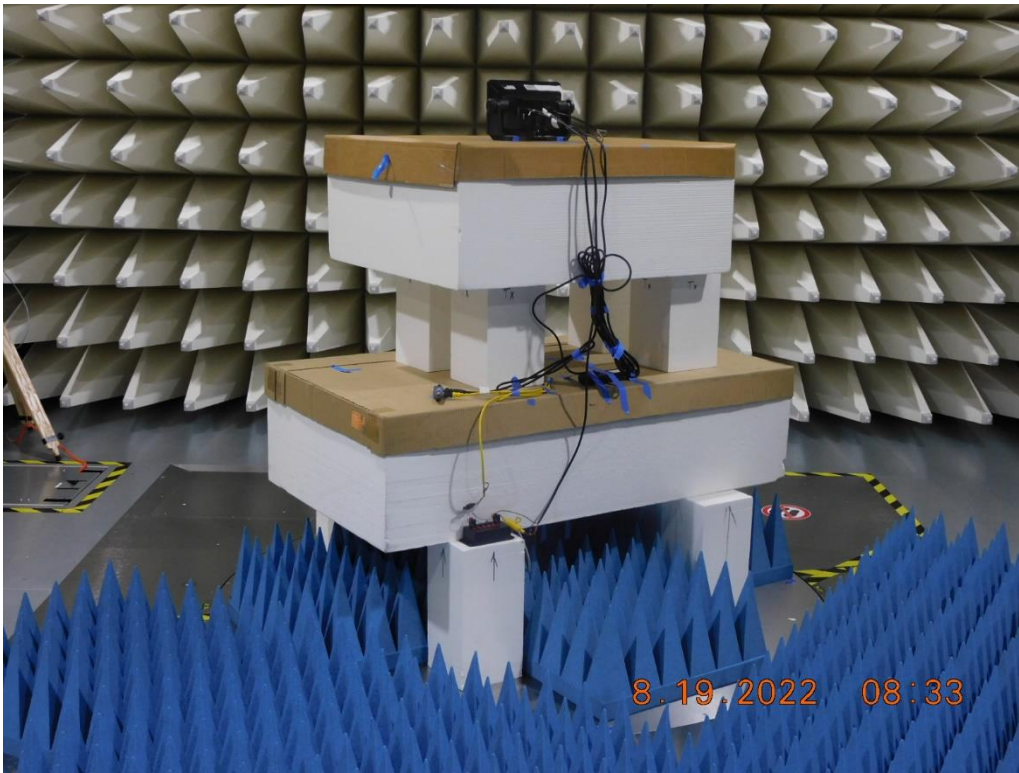


Figure RE5.29 EUT Back side view

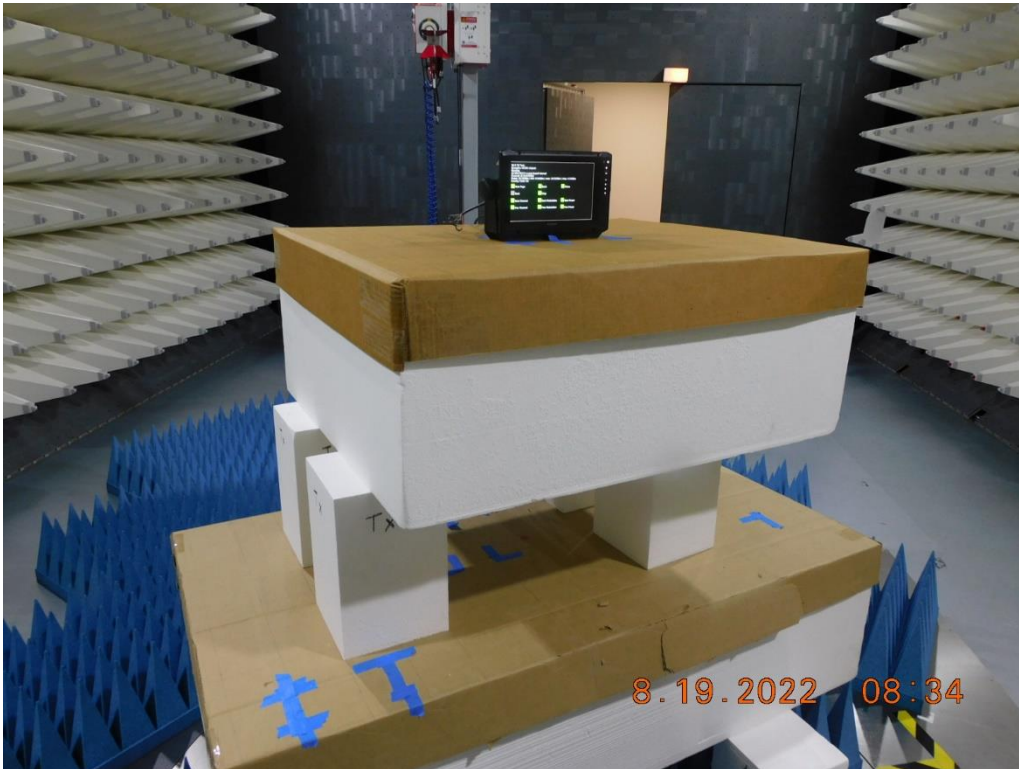


Figure RE5.30 EUT Front view



Figure RE5.31 EUT Side view

5. Other Sensitive Material, if any

None

6 Test Standards Applied

6.1. Accredited Standards

The following test or measurement standards were applied and are within the scope of the lab's accreditation. All results in this report that cite these standards are presented as Accredited results consistent with ISO/IEC 17025.

AS/NZS 4268: 2017
CFR 47, FCC Part 15, Subpart C
RSS-GEN Issue 5 Amd 2
RSS-247 Issue 2
ANSI C63.10: 2013

6.2. Non-accredited Standards

The following test or measurement standards were applied and are either outside the scope of the lab's accreditation, or were performed in such a way that results are not presented as being fully accredited.

(None)

6.3 Variances

Not Applicable

6.4 Laboratory Accreditation

The Garmin Compliance Lab, an organization within Garmin International, is registered with the US Federal Communication Commission as US1311. The lab is recognized by the Canada Department of Innovation, Science, and Economic Development (ISED) under CAB identifier US0233.

The Garmin Compliance Lab, an organization within Garmin International, is accredited by A2LA, Certificate No. 6162.01. The presence of the A2LA logo on the cover of this report indicates this is an accredited ISO/IEC 17025 test report. If the logo is absent, this report is not issued as an accredited report. Other marks and symbols adjacent to the A2LA logo are accreditation co-operations of which A2LA is a member under a mutual recognition agreement, and to which the Garmin Compliance Lab has been sublicensed.

7 Concluding Notes

This report stands as an integrated record of the tests performed and must be copied or distributed in its complete form. The reproduction of selected pages or sections separate from the complete report would require specific approval from the manager of the Garmin Compliance Lab.

This is the final page of the report.