

Test Report 2023-041

Version B

Issued 25 Aug 2023

Project GCL-0315

Test Setup Photographs

Model Identifier: A04770

Primary Test Standard

FCC Part C 15.247

FCC Part C 15.249

FCC Part B

ICES-003 Issue 7

RSS-210 Issue 10 Amd 1

RSS-247 Issue 2: 2017

Garmin Compliance Lab

Garmin International

1200 E 151st Street

Olathe Kansas 66062 USA

Client-supplied Information

FCC ID: IPH-04770

IC ID: 1792A-04770



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 and other sensitive materials removed from GCL Test Report 2023-039 and GCL Test Report 2023-040 and GCL Test Report 2023-042 based on confidentiality. This report is treated as part of those reports via reference. Information about the test samples, procedures, and results are to be found in those reports.

Report Organization

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

1. Summary
2. Test Background
3. Report History and Approval
4. Test Setup Photographs
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 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 design group, a separate organization located at 1200 E 151st St, Olathe Kansas, USA.

3. Report History and Approval

This report was written by Majid Farah and initially issued on 23 Aug 2023 as Version A. The client-supplied information of cover page has been corrected in version B on 25 Aug 2023.

Report Technical Review:

David Arnett
Technical Lead EMC Engineer



Report Approval:

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



4. Test Setup Photographs

The photographs on the subsequent pages are drawn first from GCL Test Report 2023-039, followed by images from GCL Test Report 2023 -040 and GCL Test Report 2023 -042.

The following material would have appeared on or near page 24 of GCL Test Report 2023-039.

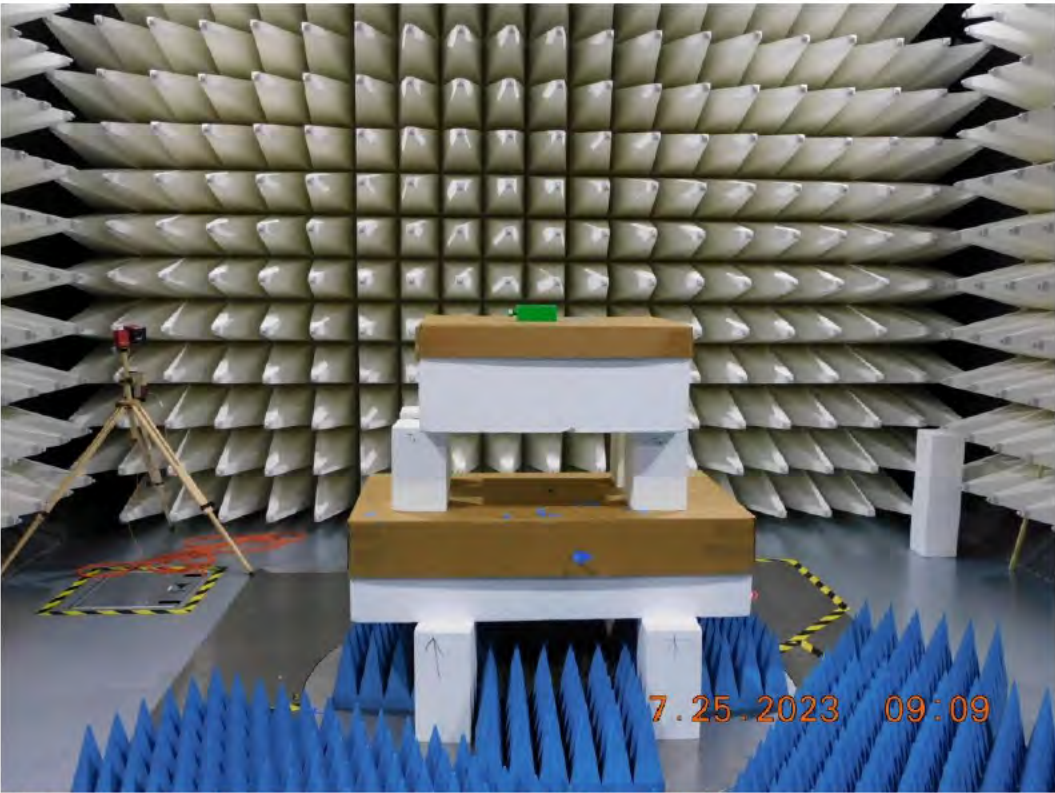


Figure RE02.3: EUT test setup, Front View (Y Orientation)



Figure RE02.4: EUT test setup, reverse View (Y Orientation)

The following material would have appeared on or near page 11 of GCL Test Report 2023-040.

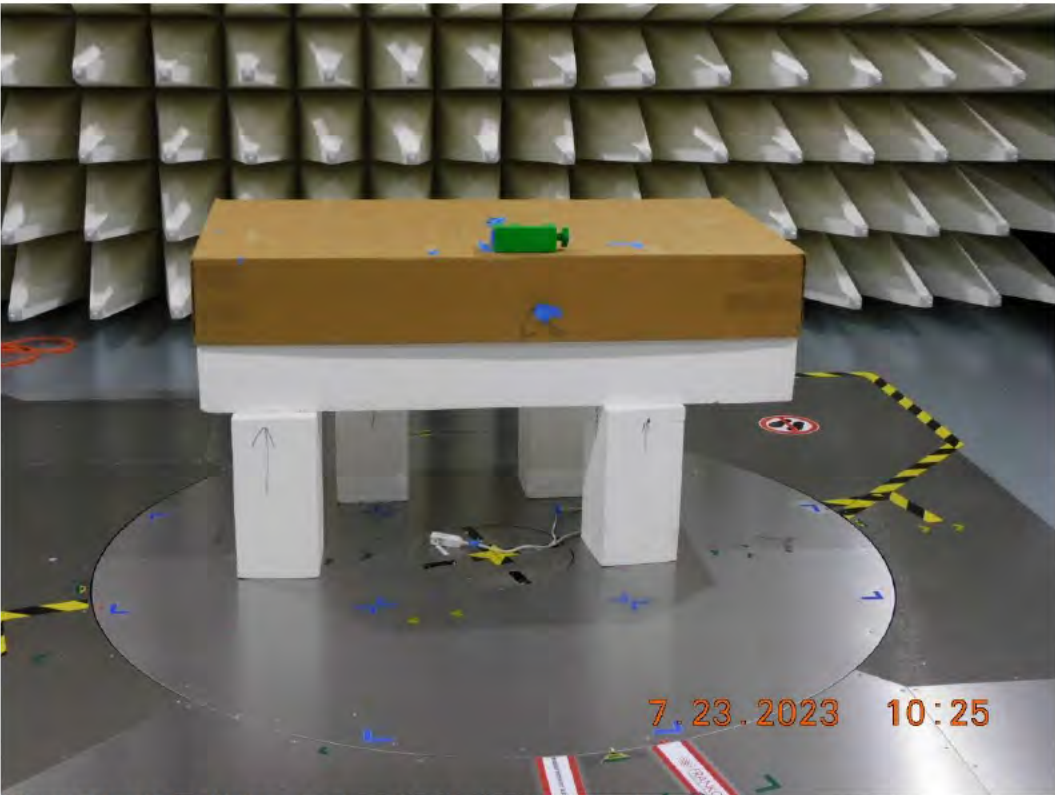


Figure RE03.2: EUT test setup, front view (Y Orientation).

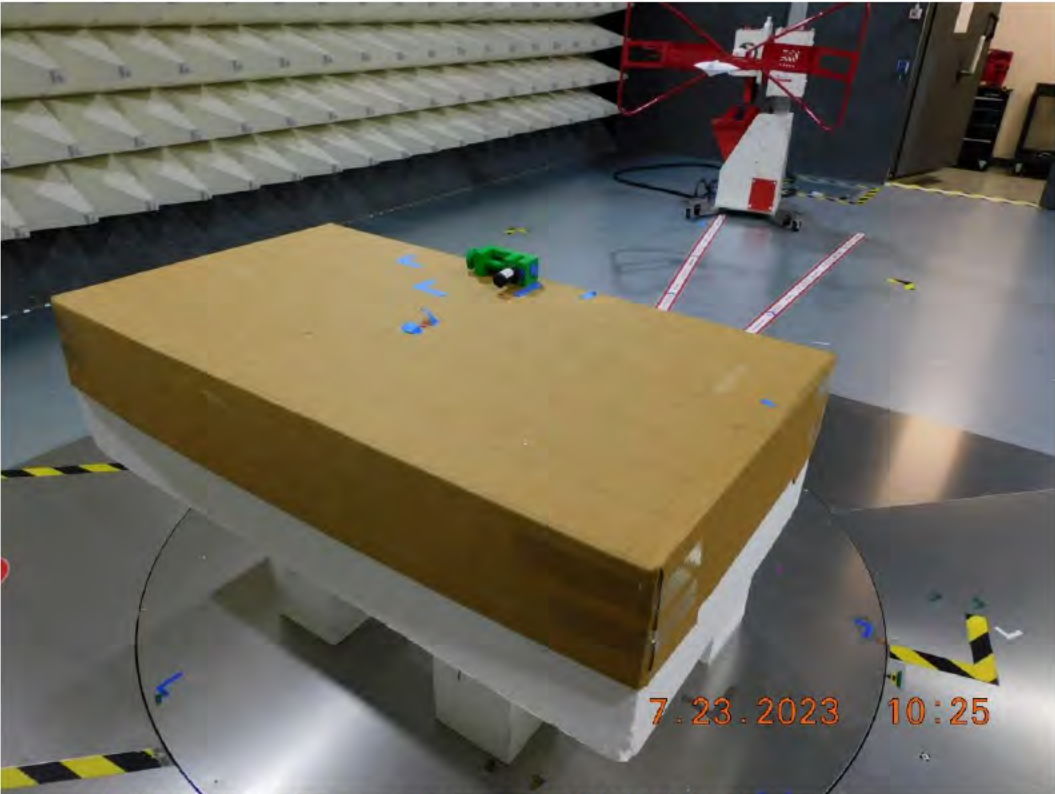


Figure RE03.3: EUT test setup, reverse view (Y Orientation).

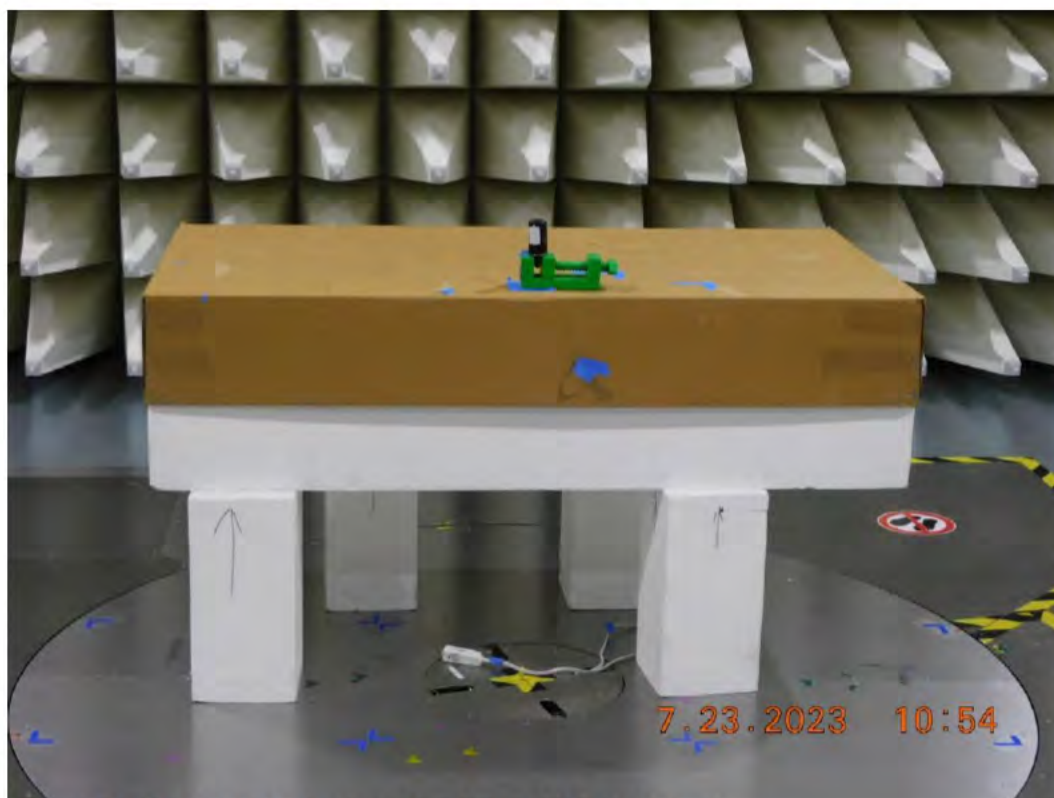


Figure RE03.4: EUT test setup, front view (Z Orientation).

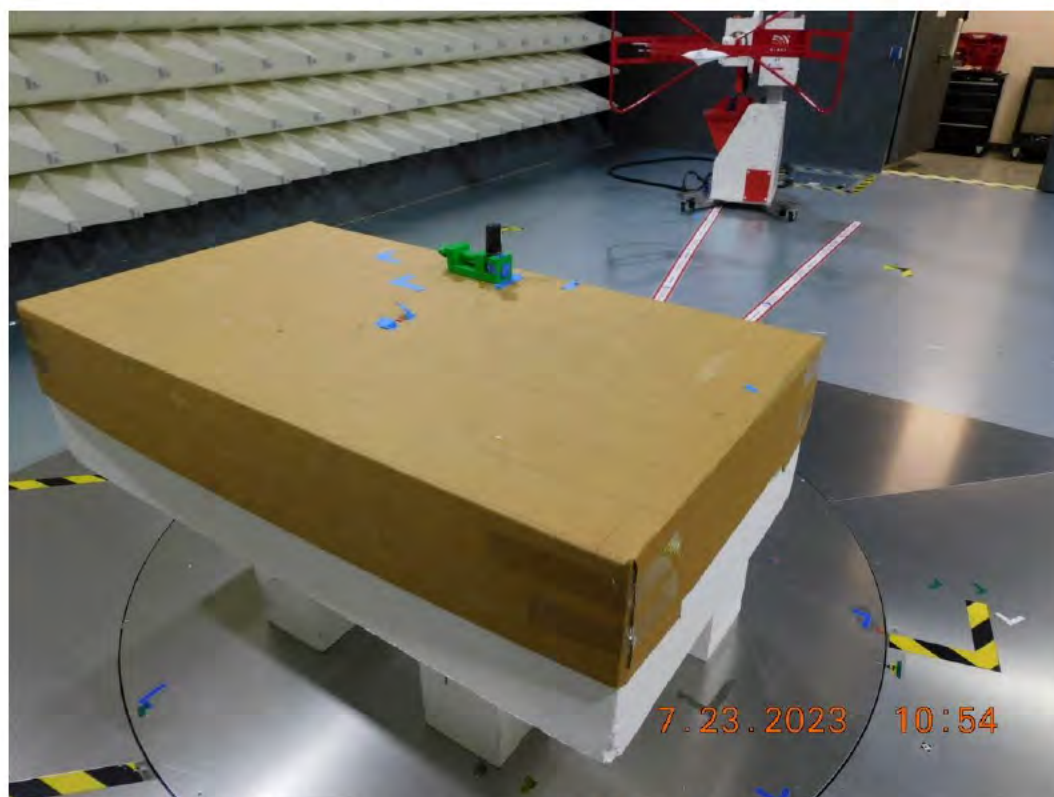


Figure RE03.5: EUT test setup, reverse view (Z Orientation).

The following material would have appeared on or near page 16 of GCL Test Report 2023-040.

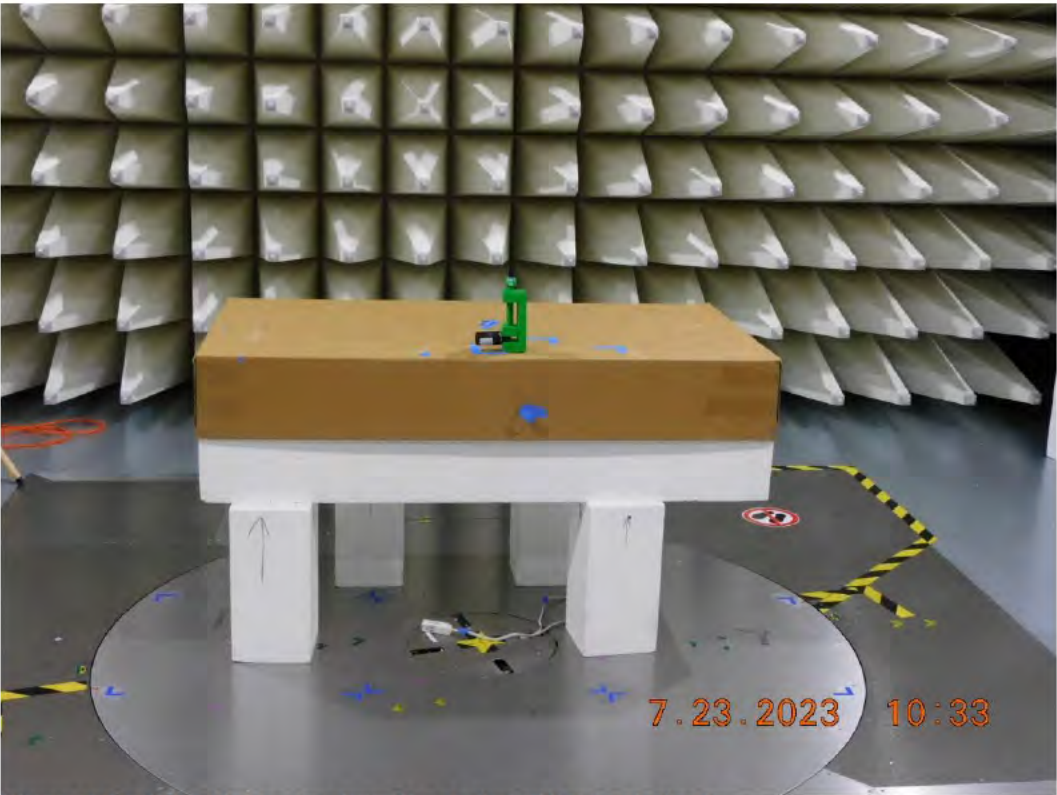


Figure RE04.4: EUT test setup, front view (X Orientation)



Figure RE04.5: EUT test setup, reverse view (X Orientation)

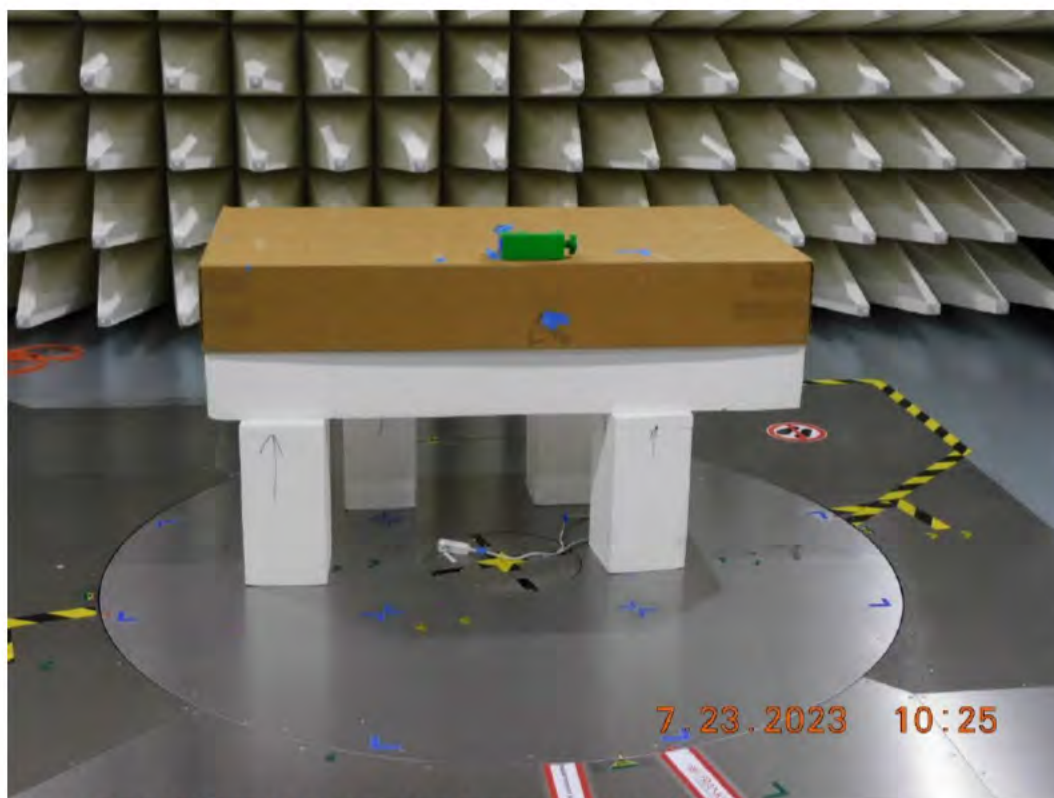


Figure RE04.6: EUT test setup, front view (Y Orientation)

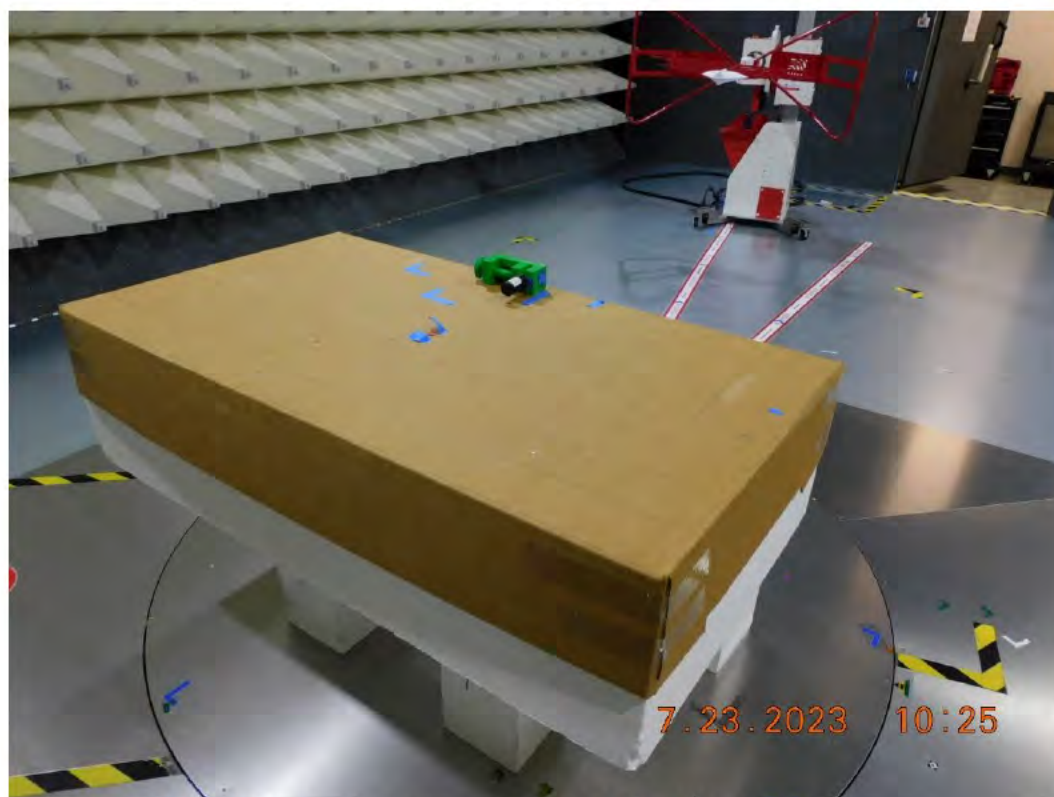


Figure RE04.7: EUT test setup, reverse view (Y Orientation)

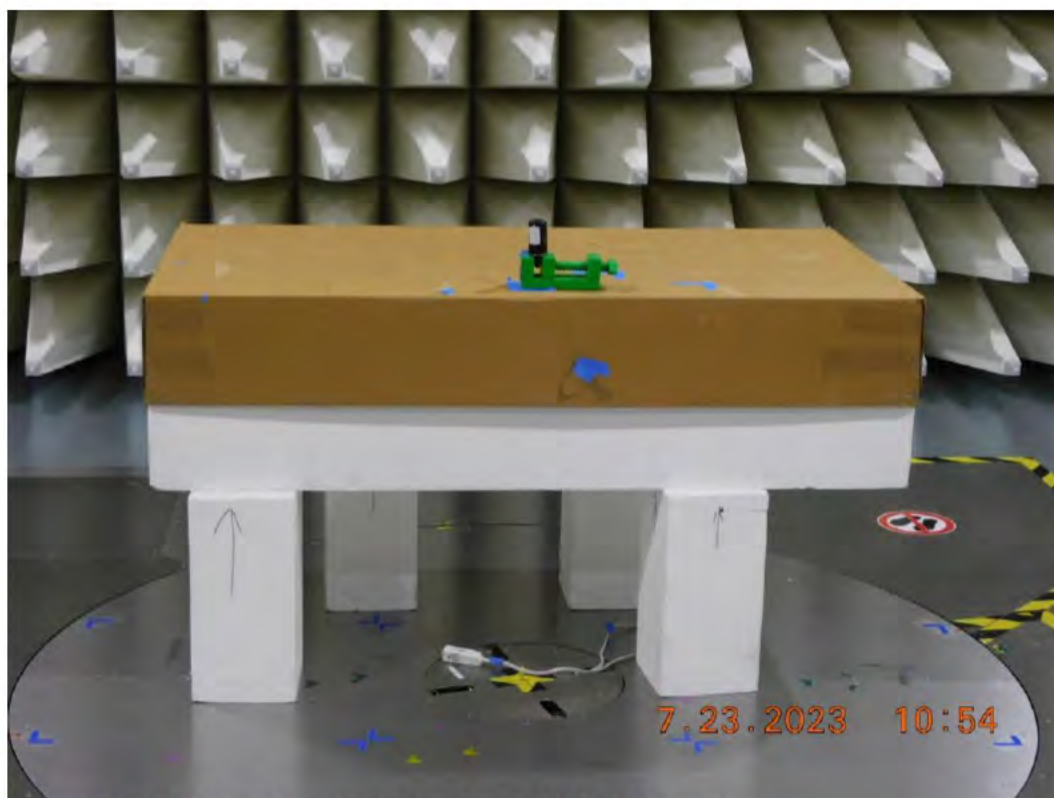


Figure RE04.8: EUT test setup, front view (Z Orientation)

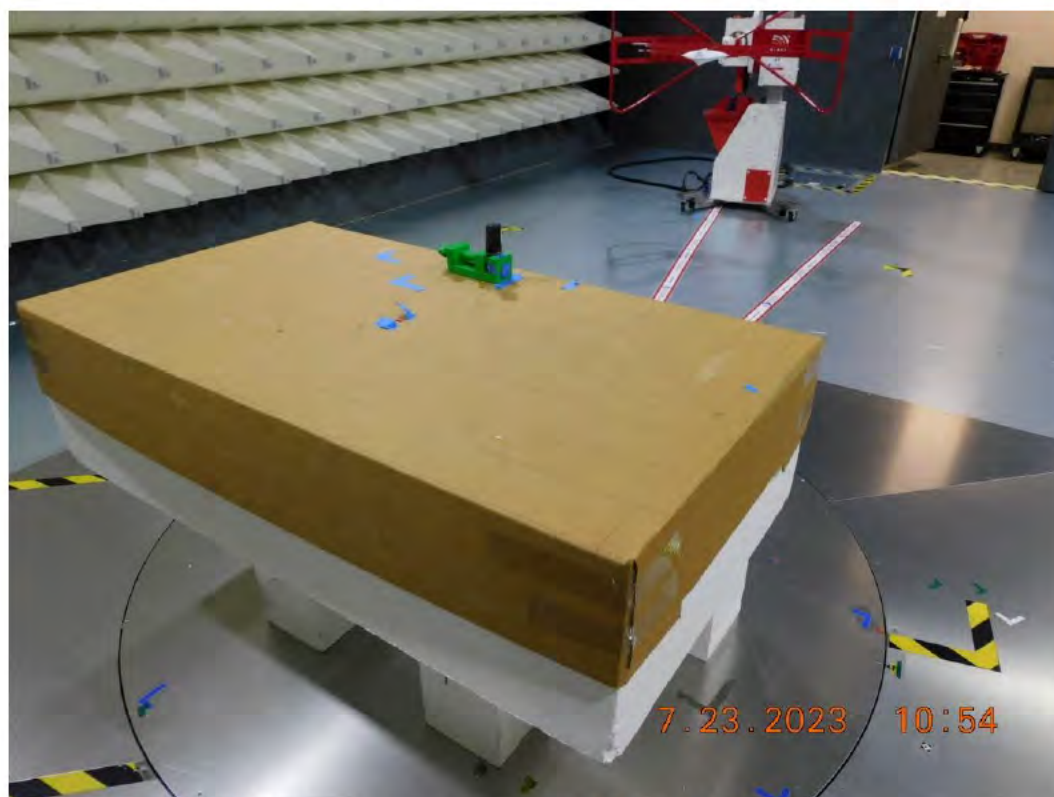


Figure RE04.9: EUT test setup, reverse view (Z Orientation)

The following material would have appeared on or near page 23 of GCL Test Report 2023-040.



Figure RE05.2: EUT test setup, front view



Figure RE05.3: EUT test setup, reverse view

The following material would have appeared on or near page 12 of GCL Test Report 2023-042.



Figure RE01.3: EUT test setup, front view (X orientation)



Figure RE01.4: EUT test setup, side view (X orientation)

The following material would have appeared on or near page 16 of GCL Test Report 2023-042.

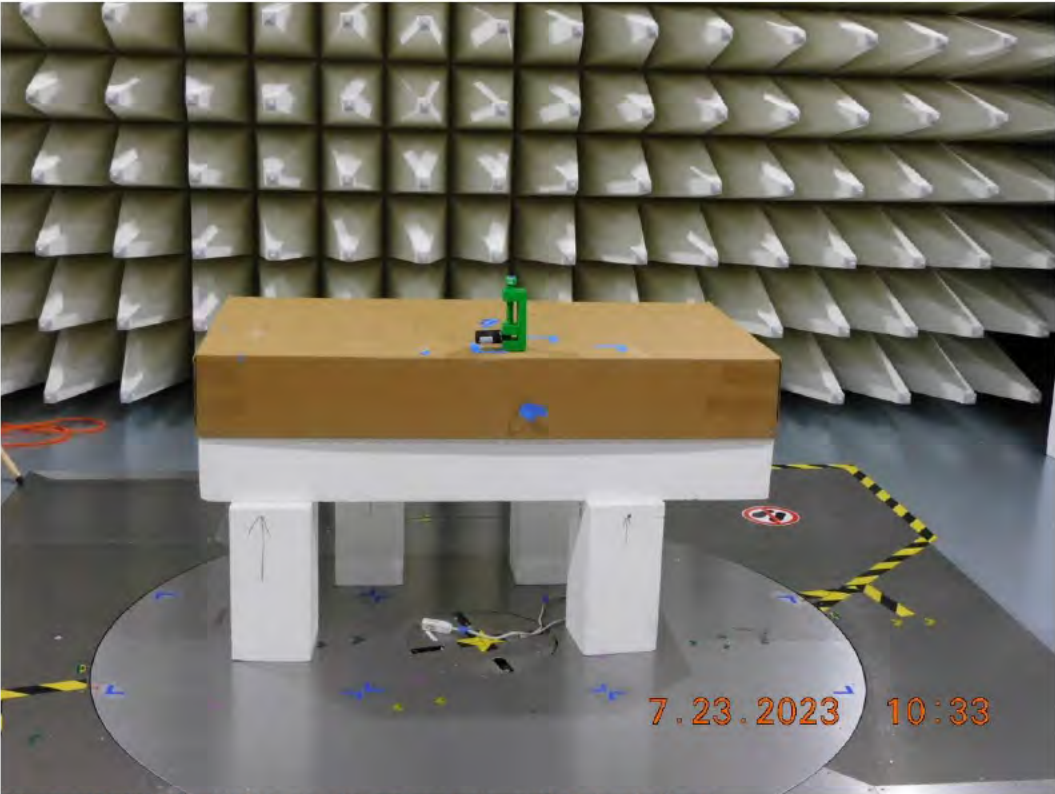


Figure RE07.4: EUT test setup, front view (X Orientation)



Figure RE07.5: EUT test setup, reverse view (X Orientation)

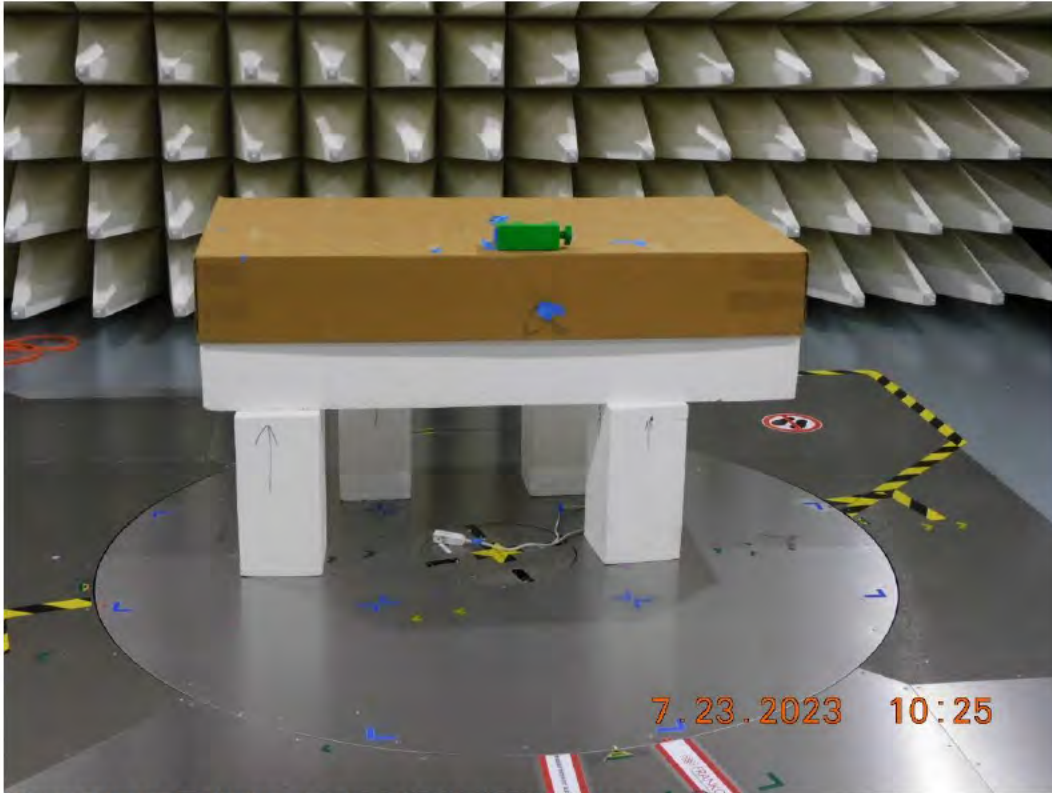


Figure RE07.6: EUT test setup, front view (Y Orientation)

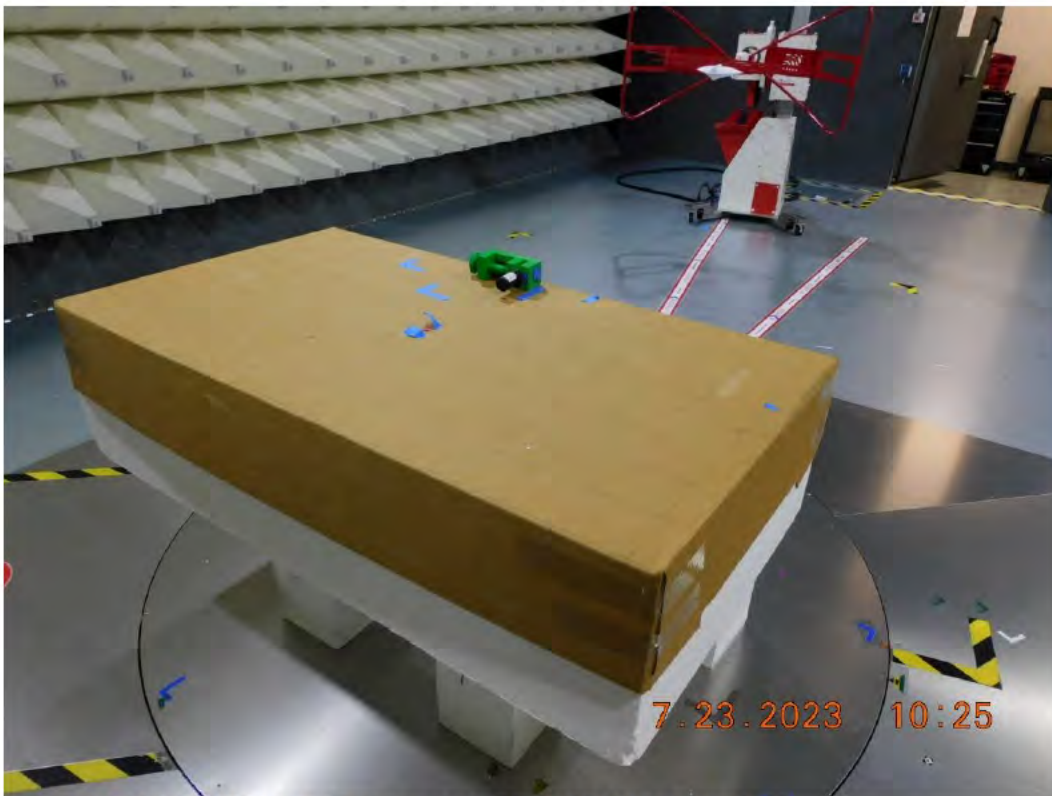


Figure RE07.7: EUT test setup, reverse view (Y Orientation)

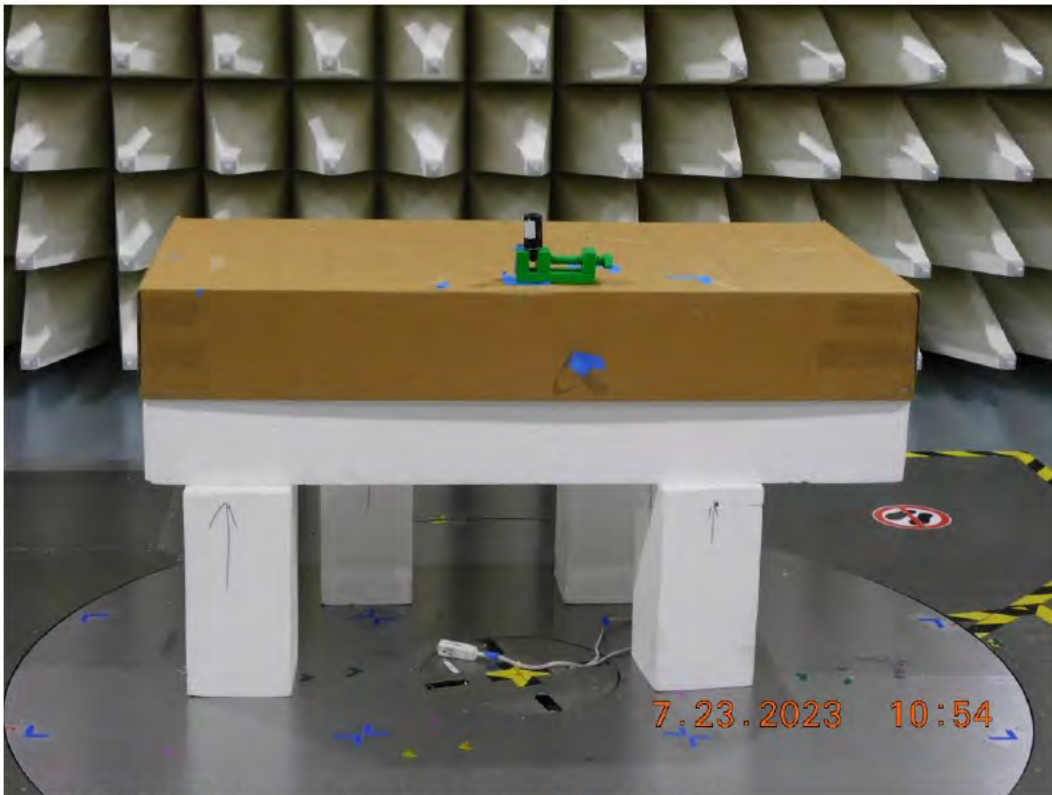


Figure RE07.8: EUT test setup, front view (Z Orientation)

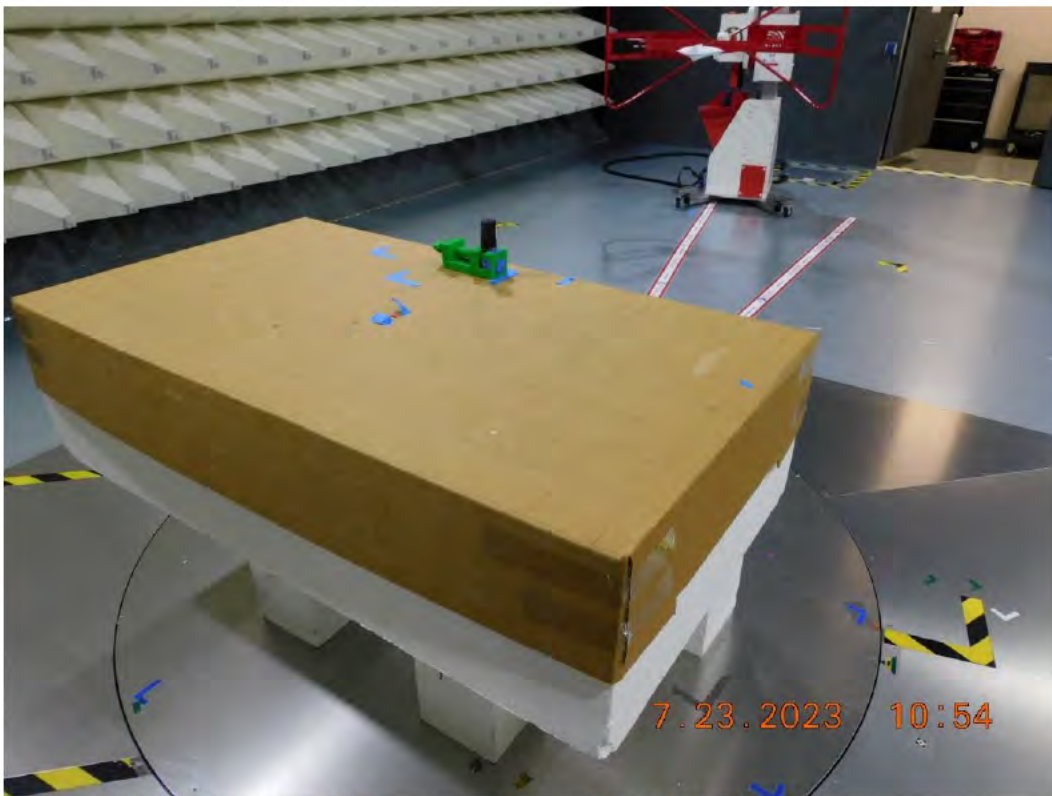


Figure RE07.9: EUT test setup, reverse view (Z Orientation)

The following material would have appeared on or near page 23 of GCL Test Report 2023-042.



Figure RE08.2: EUT test setup, X orientation



Figure RE08.3: EUT test setup, Y orientation



Figure RE08.4: EUT test setup, Z orientation

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 15.247
 CFR 47, FCC Part 15.249
 ANSI C63.10: 2013 and ANSI C63.10: 2020
 RSS-GEN Issue 5 Amd 2
 RSS-210 Issue 10 Amd 1
 RSS-247 Issue 2
 ICES-003 Issue 7

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.