Test Report 2023-067

Version A
Issued 3 Nov 2023

Project GCL-0458
Test Setup Photographs
Model Identifier: A04714
Primary Test Standard(s)

FCC Part 15.249
FCC Part 15.247
FCC Part 15.225
FCC Part 15 subpart B
RSS-210 Issue 10 Amd 1
RSS-247 Issue 2: 2017
ICES-003 Issue 7 (Oct.2015)

Garmin Compliance Lab

Garmin International
1200 E 151st Street
Olathe Kansas 66062 USA

Client-supplied Information

FCC ID: IPH-04714
IC ID: 1792A-04714

ACCREDITED
CERTIFICATE #6162.01

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 2023-064 and GCL Test Report 2023-065, GCL Test Report 2023-066 and GCL Test Report 2023-068 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 3 Nov 2023 as Version A.

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 Test Report 2023-064, followed by images from Test Report 2023 -065, Test Report 2023 -066 and Test Report 2023 -068.

The following material would have appeared on or near page 29 of GCL Test Report 2023-064.

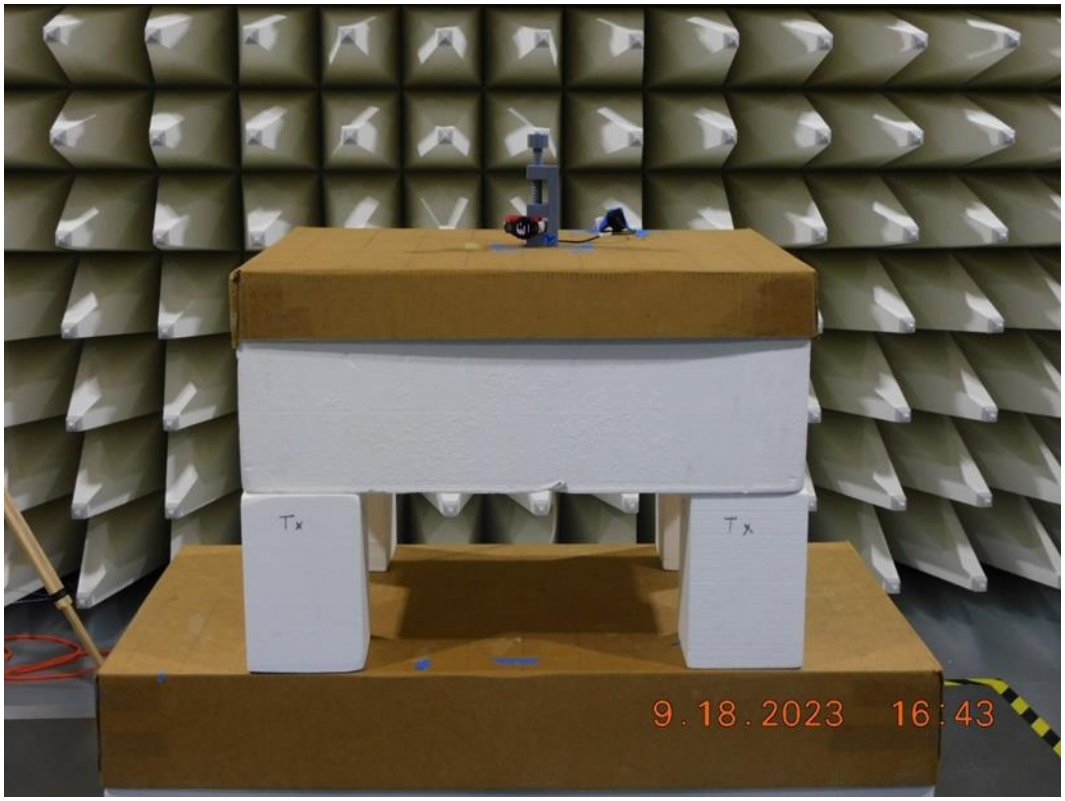

Figure RE01.5: EUT test setup, front view (X orientation)

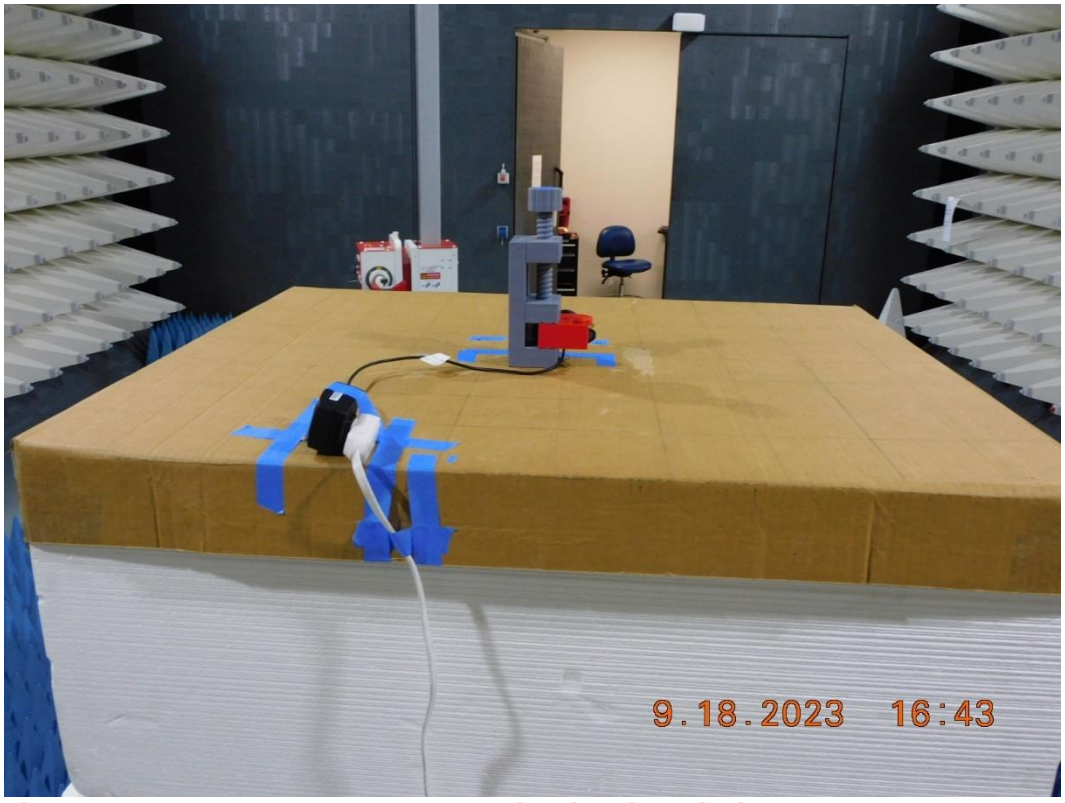

Figure RE01.6: EUT test setup, reverse view (X orientation)

The following material would have appeared on or near page 41 of GCL Test Report 2023-064.

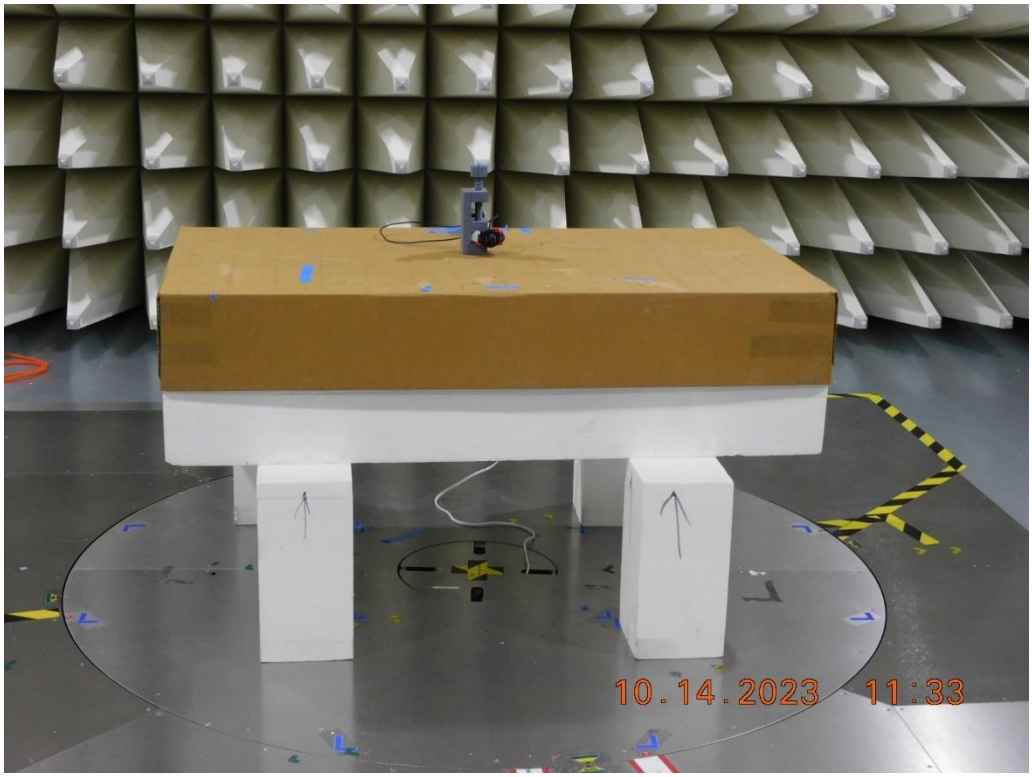

Figure RE03.4: EUT test setup, front view (X orientation)

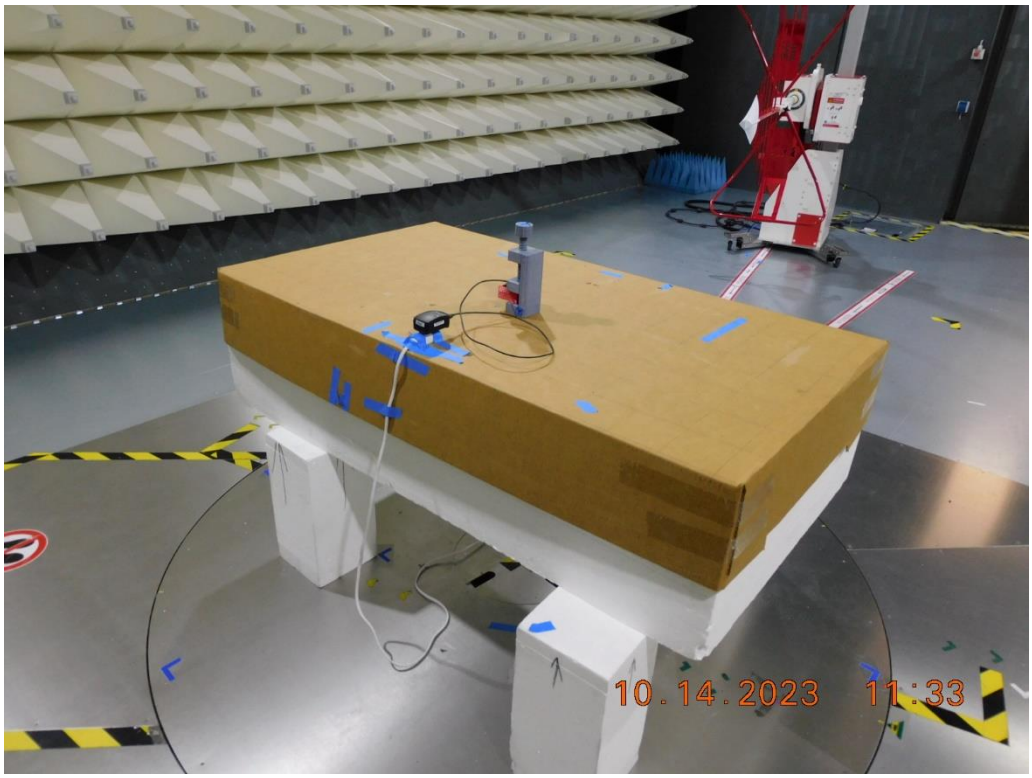

Figure RE03.5: EUT test setup, reverse view (X orientation)

The following material would have appeared on or near page 47 of GCL Test Report 2023-064.

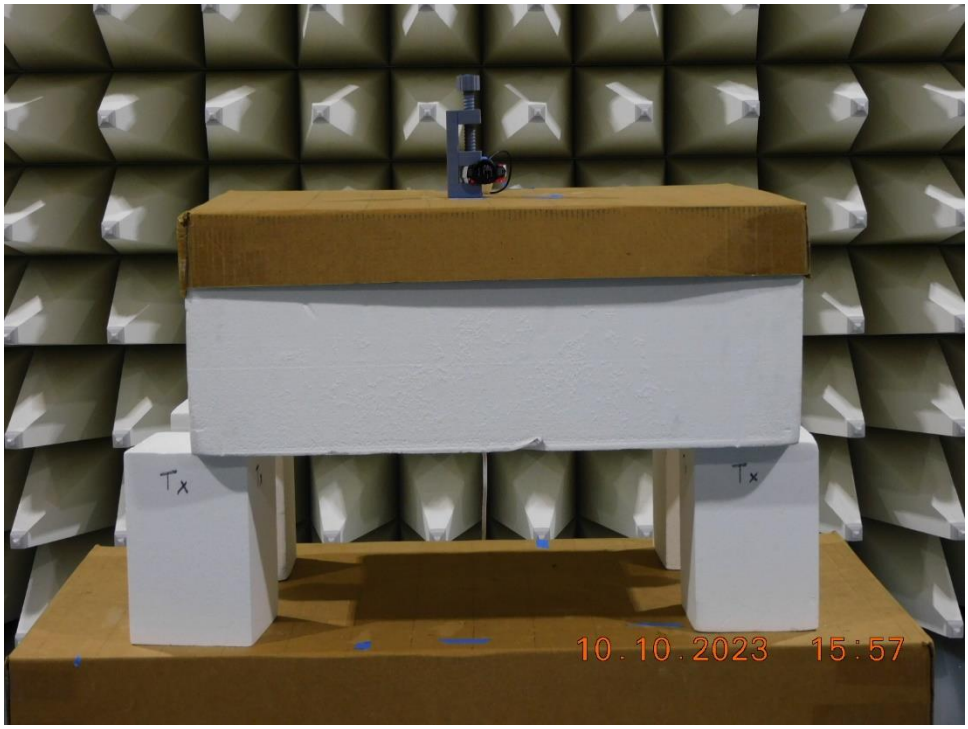

Figure RE04.4: EUT test setup, (Ble Tx 1Mb) front view

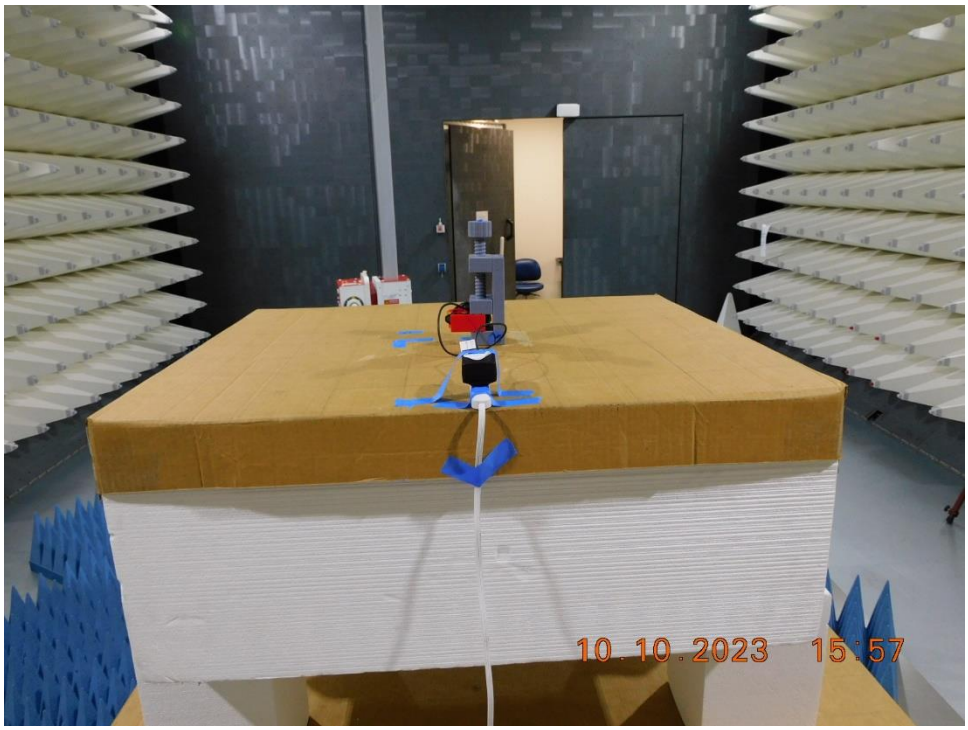

Figure RE04.5: EUT test setup, (Ble Tx 1Mb) reverse view

The following material would have appeared on or near page 50 of GCL Test Report 2023-064.

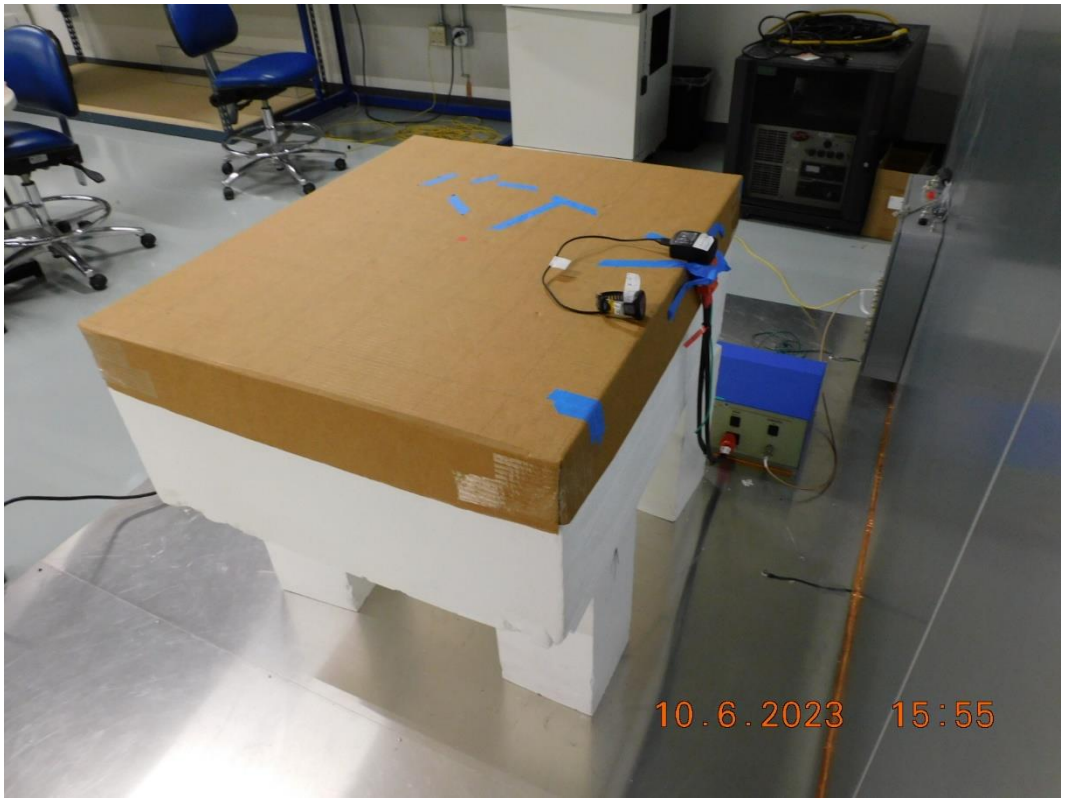

Figure CE01.2: Test setup, front view

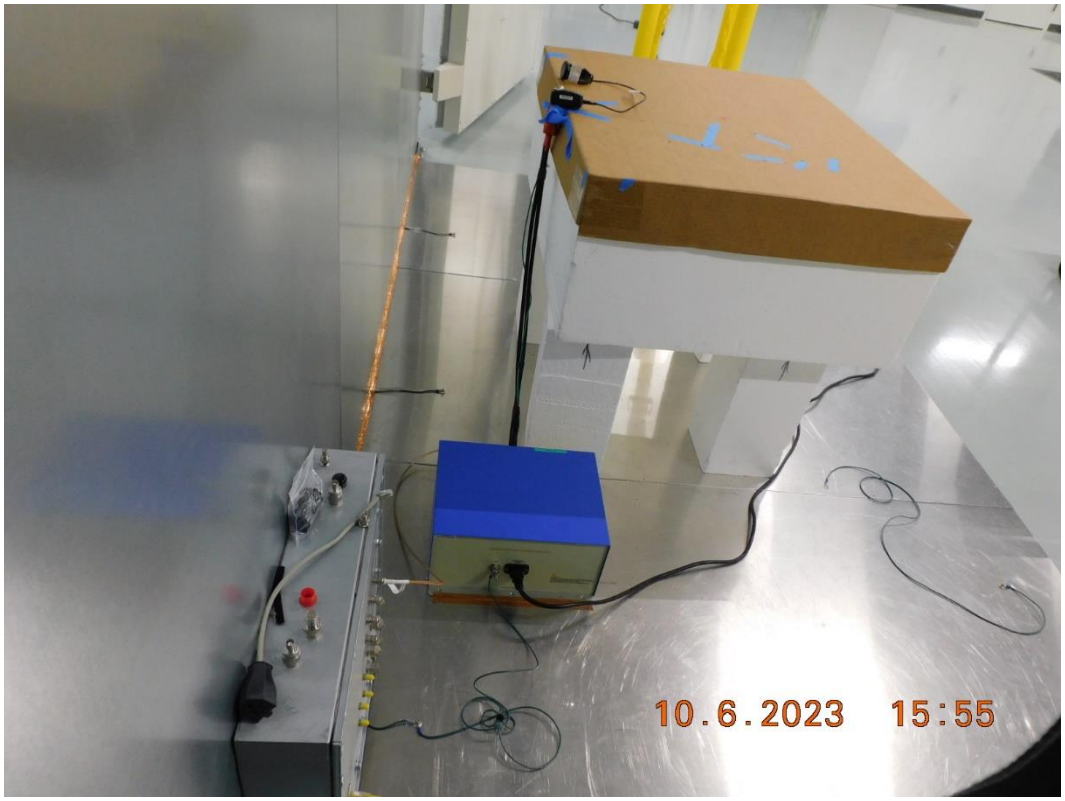

Figure CE01.3: Test setup, side view

The following material would have appeared on or near page 13 of GCL Test Report 2023-065.

Figure RE12.2: EUT test setup, front view (Antenna X Orientation)

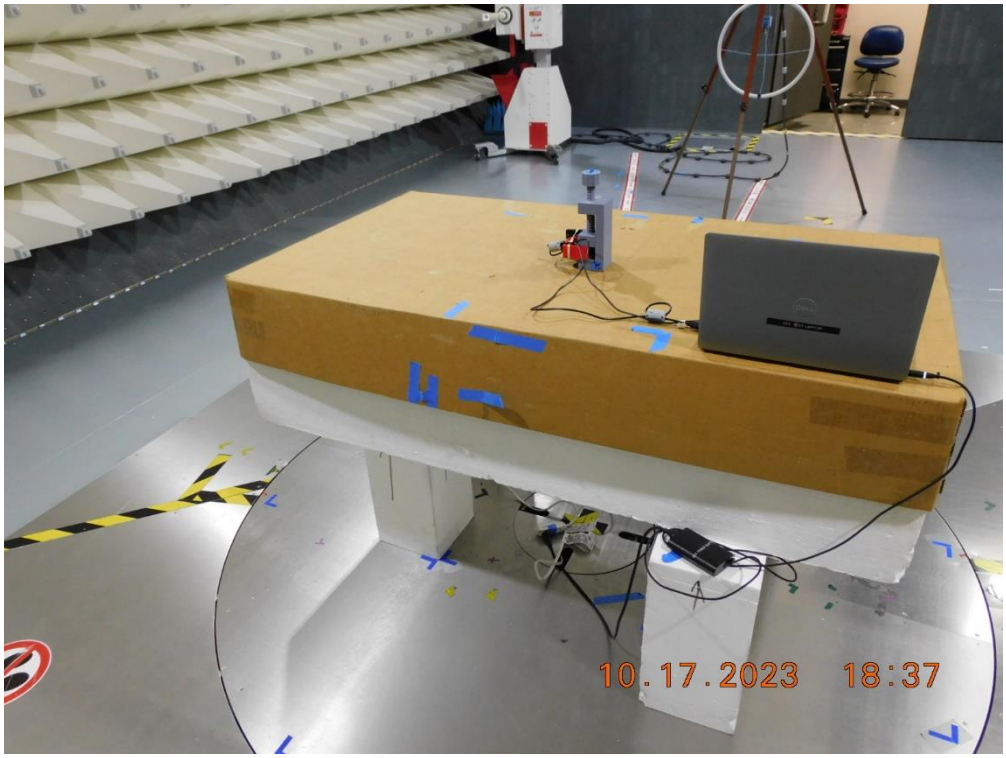

Figure RE12.3: EUT test setup, reverse view (Antenna X Orientation)

The following material would have appeared on or near page 17 of GCL Test Report 2023-065.

Figure RE13.2: EUT test setup, front view (X orientation)

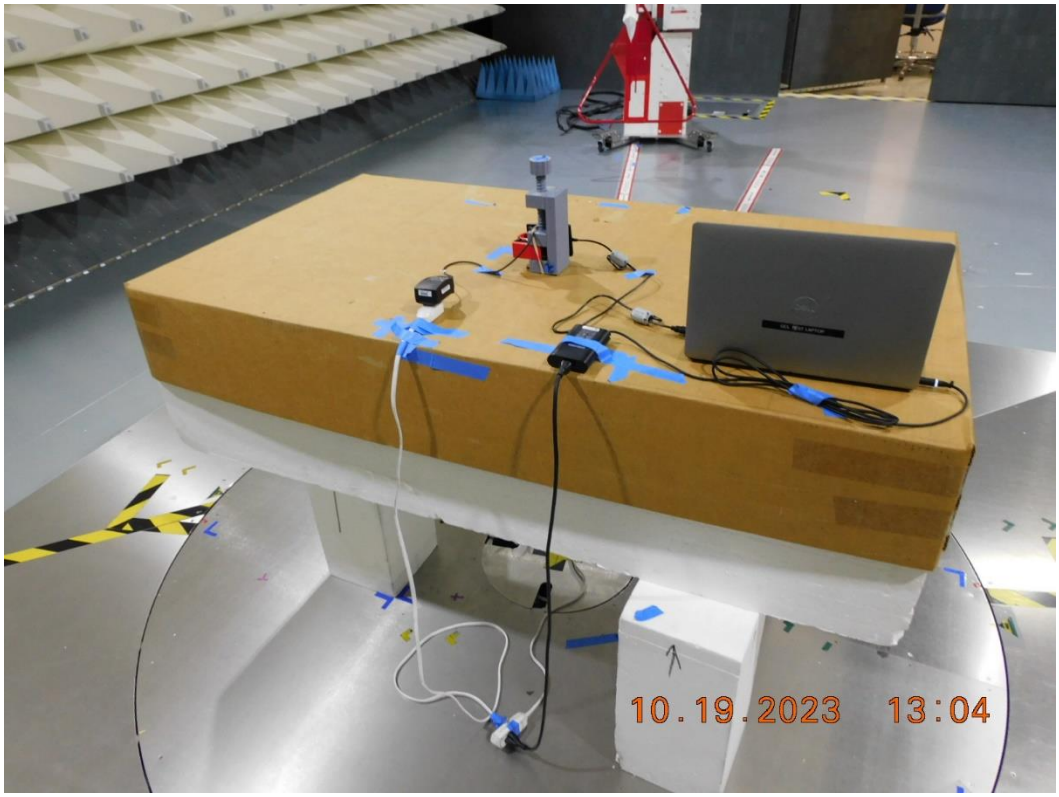

Figure RE13.3: EUT test setup, reverse view (X orientation)

The following material would have appeared on or near page 20 of GCL Test Report 2023-065.

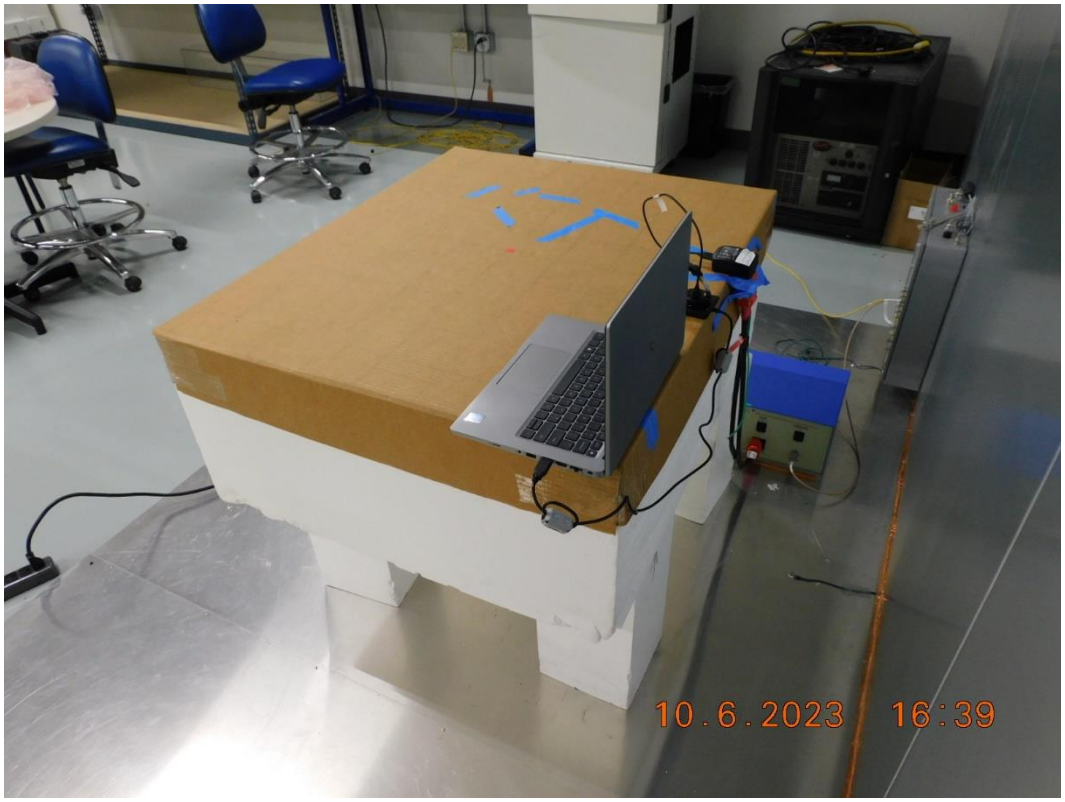

Figure CE02.2: Test setup, front view

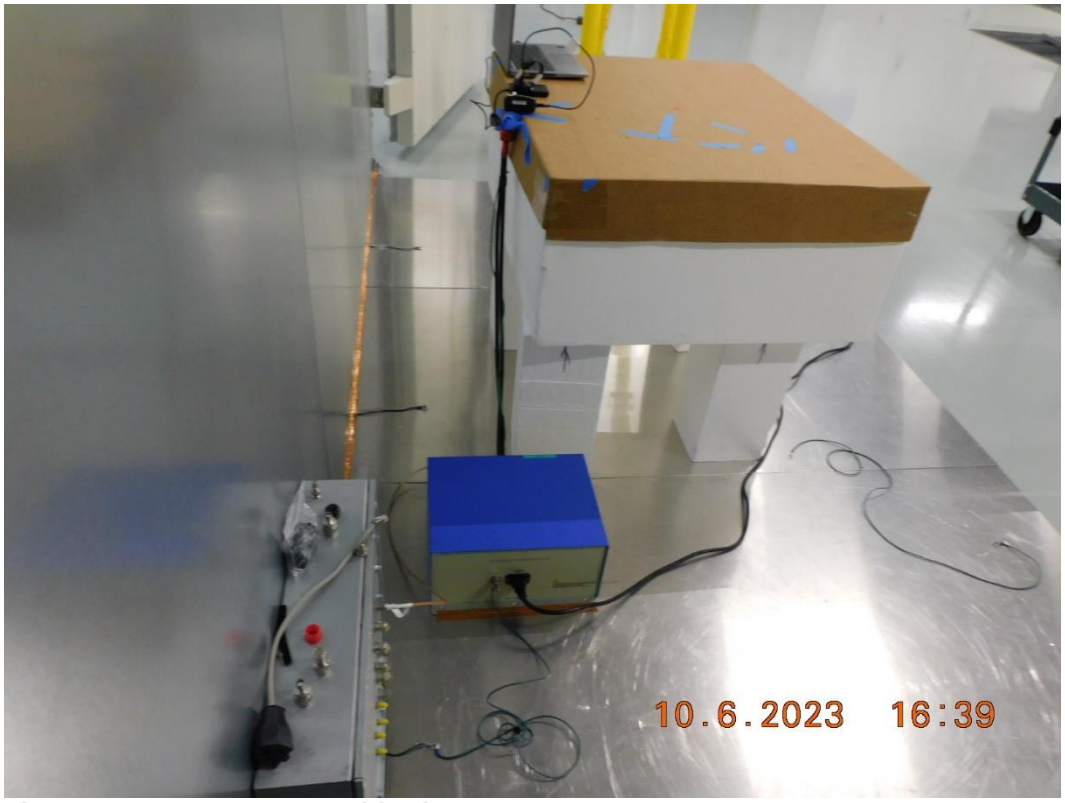

Figure CE02.3: Test setup, side view

The following material would have appeared on or near page 13 of GCL Test Report 2023-066.

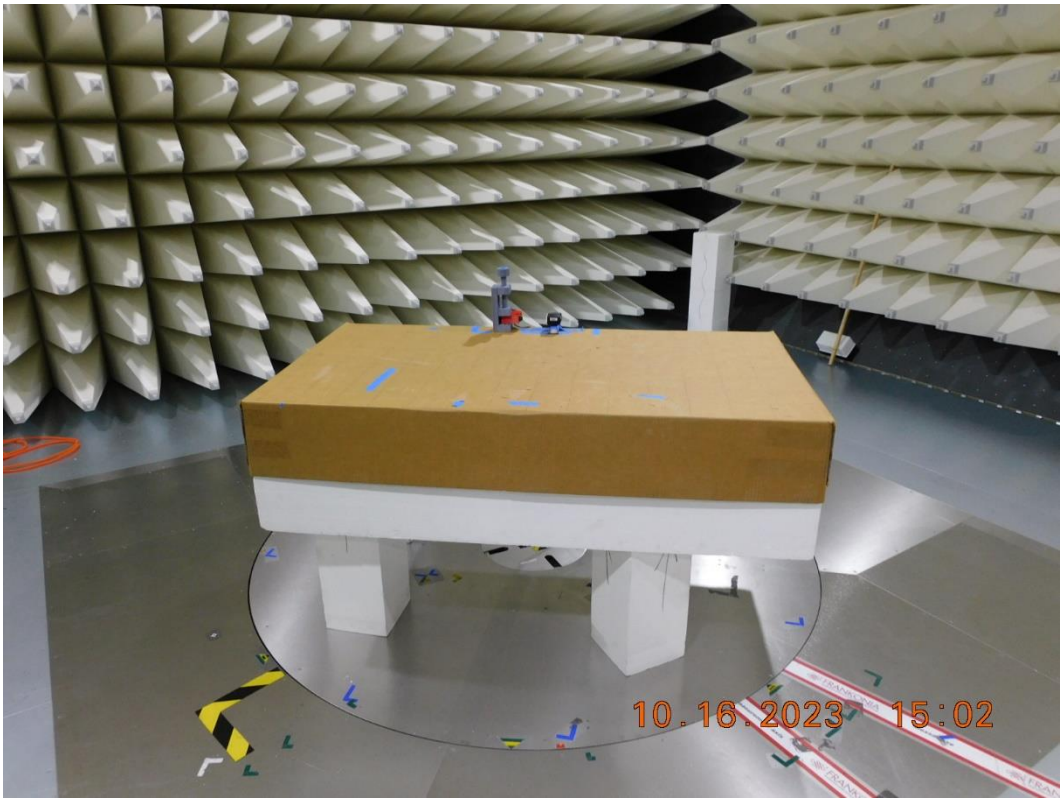

Figure RE05.5: EUT test setup, front view

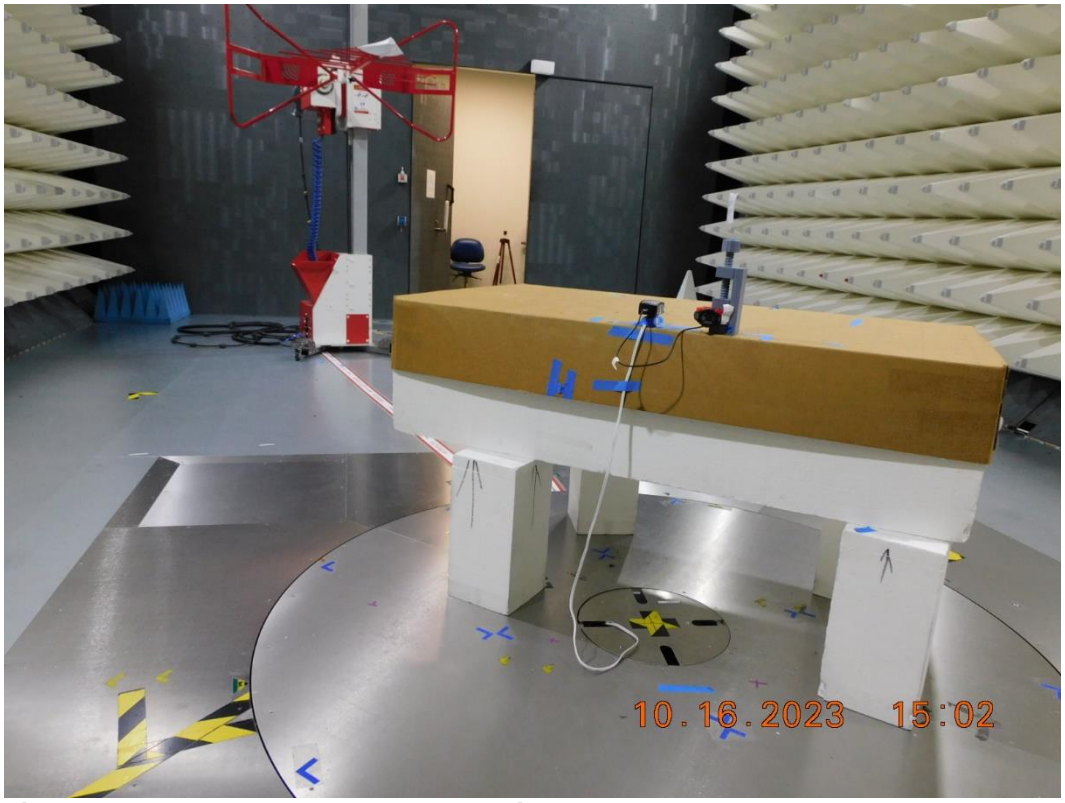

Figure RE05.6: EUT test setup, reverse view

The following material would have appeared on or near page 16 of GCL Test Report 2023-066.

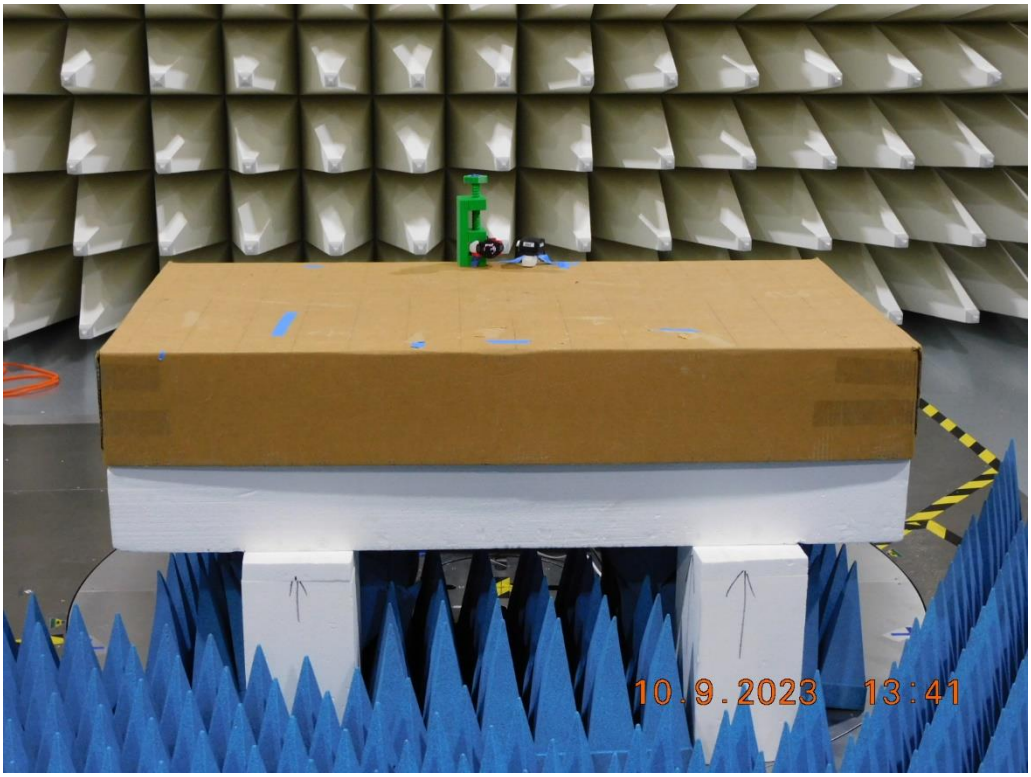

Figure RE06.2: EUT test setup, front view

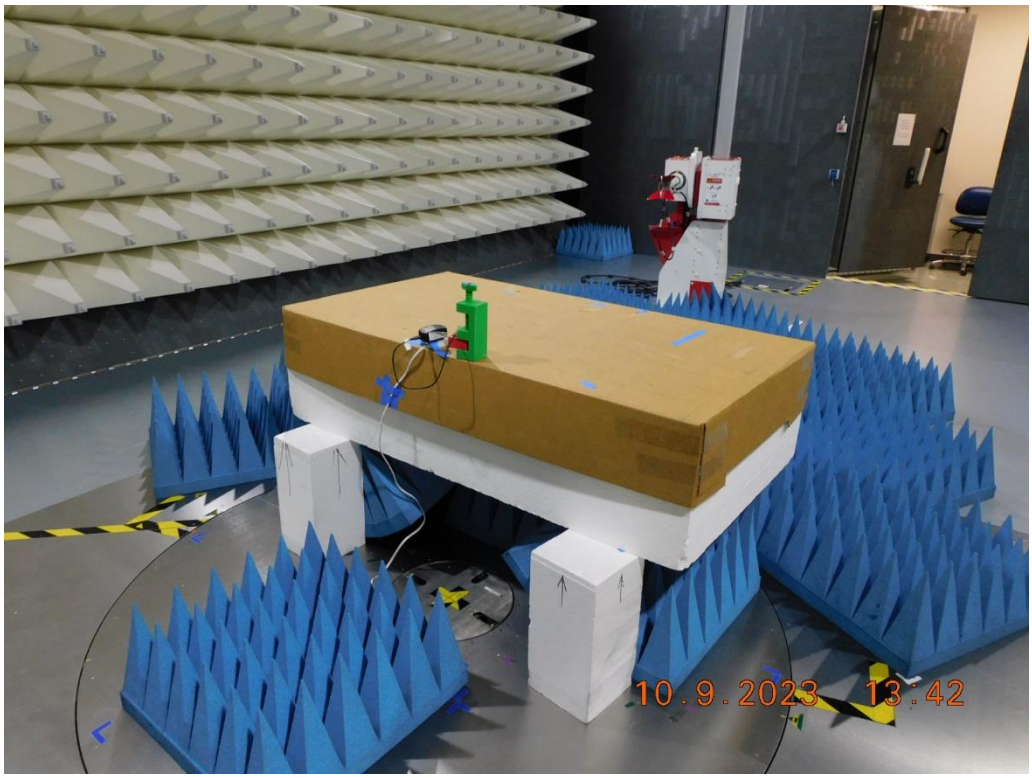

Figure RE06.3: EUT test setup, reverse view

The following material would have appeared on or near page 19 of GCL Test Report 2023-066.

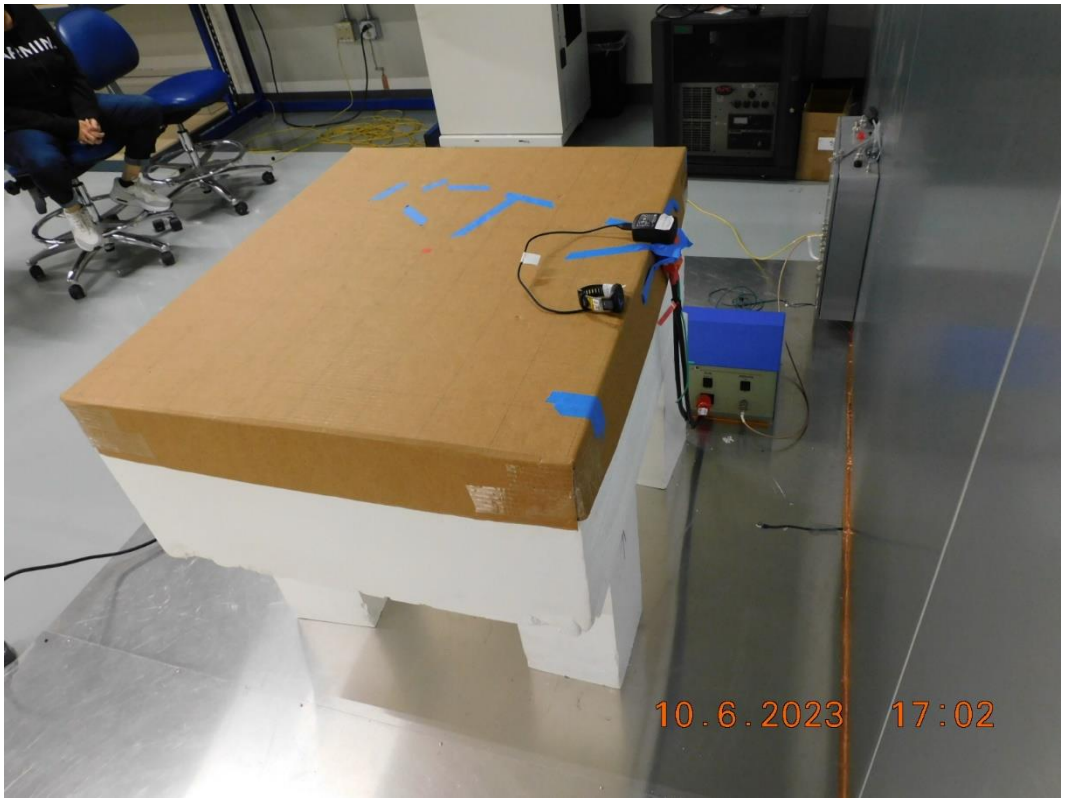

Figure CE03.2: Test setup, front view

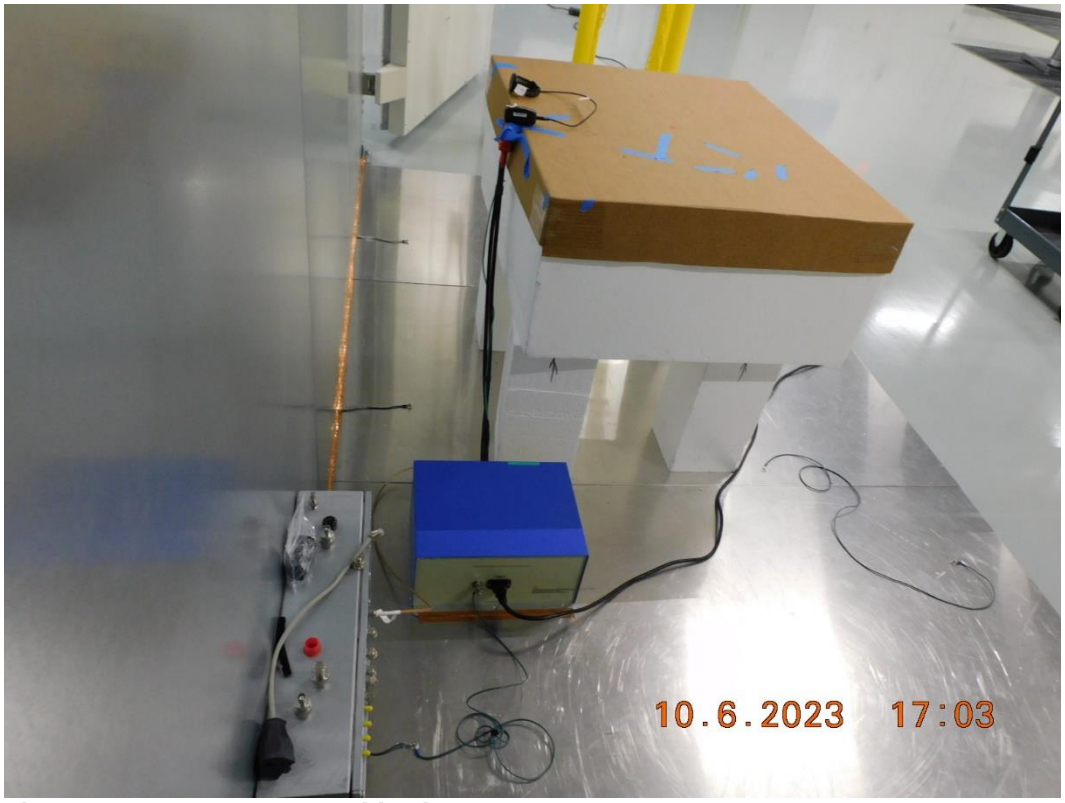

Figure CE03.3: Test setup, side view

The following material would have appeared on or near page 15 of GCL Test Report 2023-068.

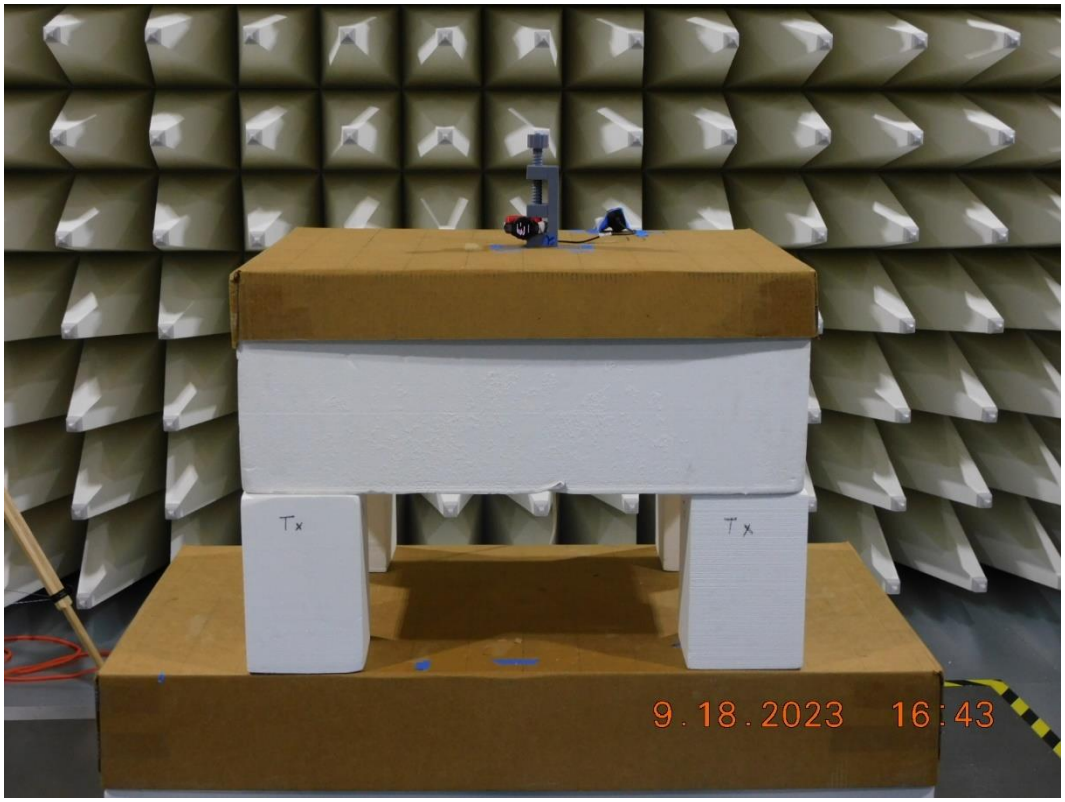

Figure RE01.5: EUT test setup, front view (X orientation)

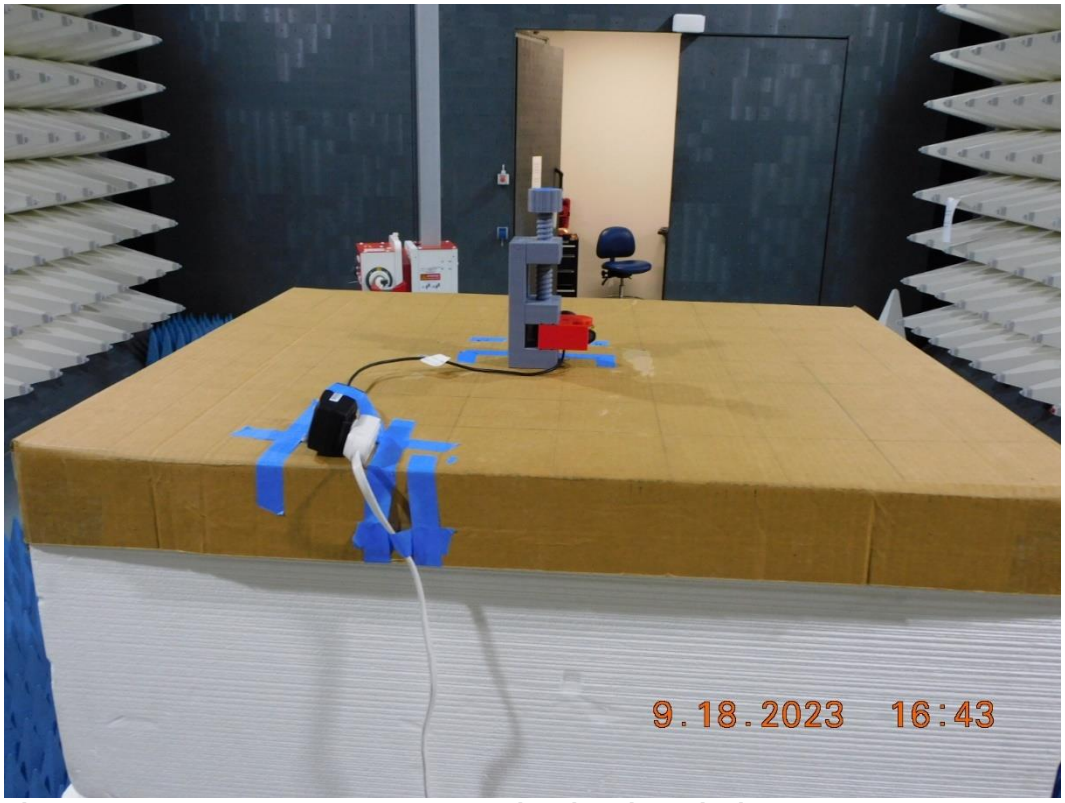

Figure RE01.6: EUT test setup, reverse view (X orientation)

The following material would have appeared on or near page 21 of GCL Test Report 2023-068.

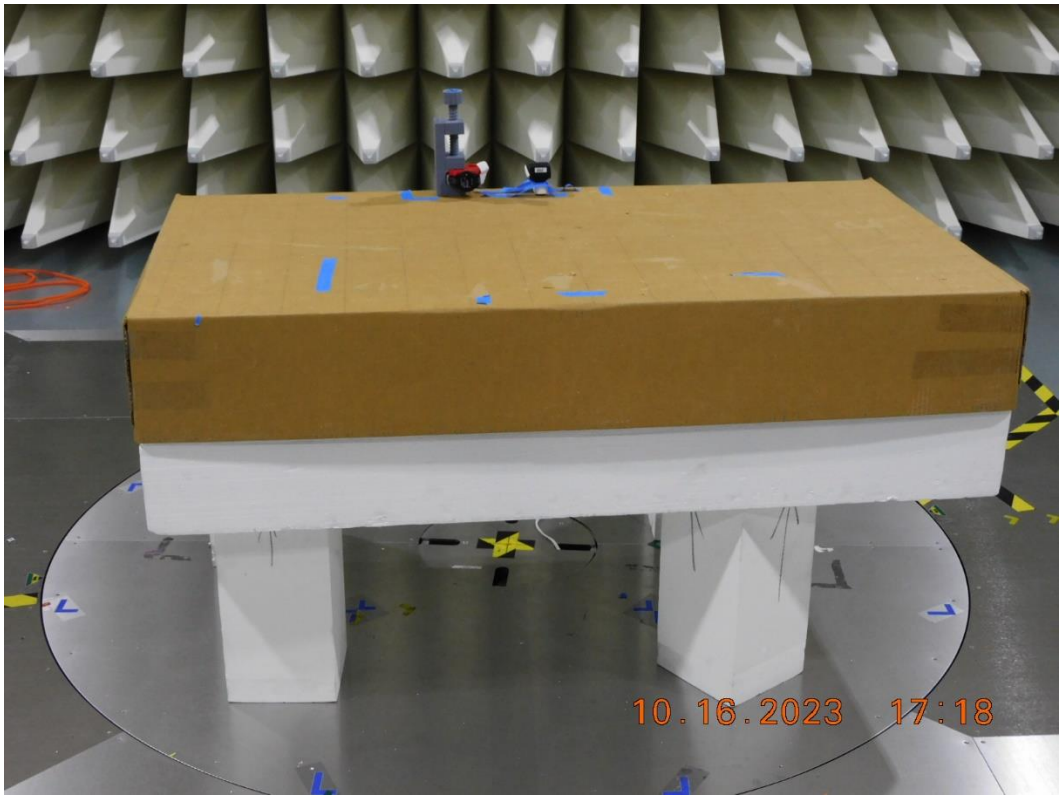

Figure RE07.4: EUT test setup, front view (X orientation)

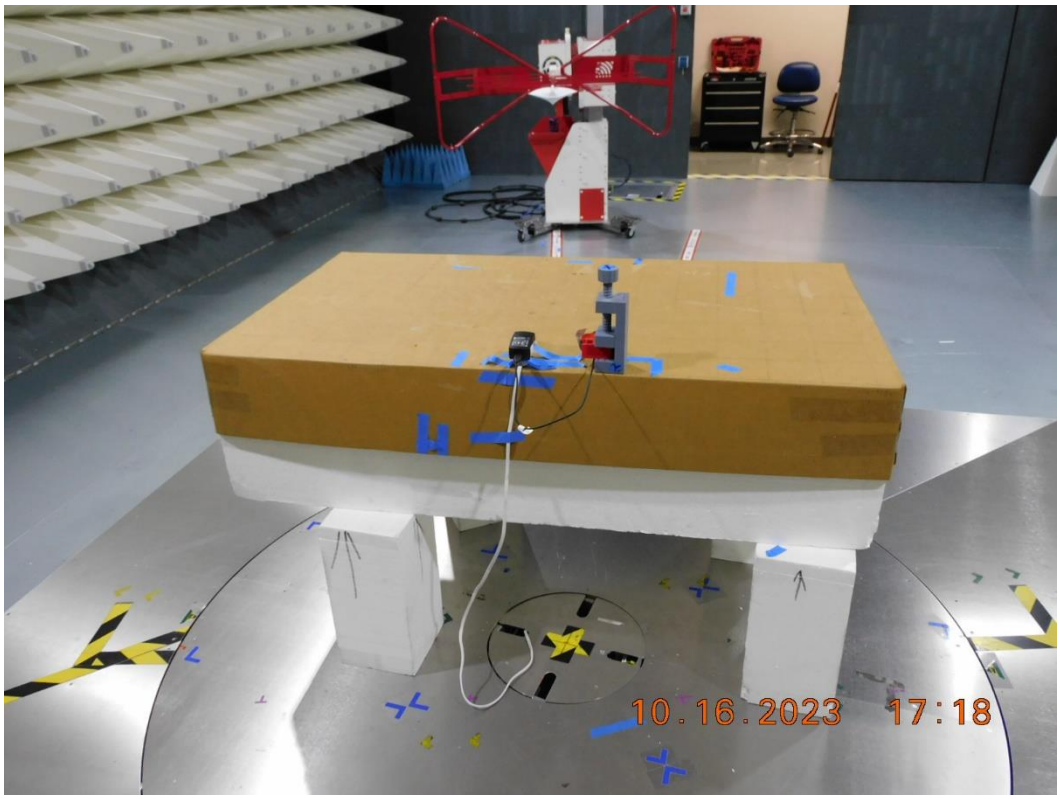

Figure RE07.5: EUT test setup, reverse view (X orientation)

The following material would have appeared on or near page 31 of GCL Test Report 2023-068.

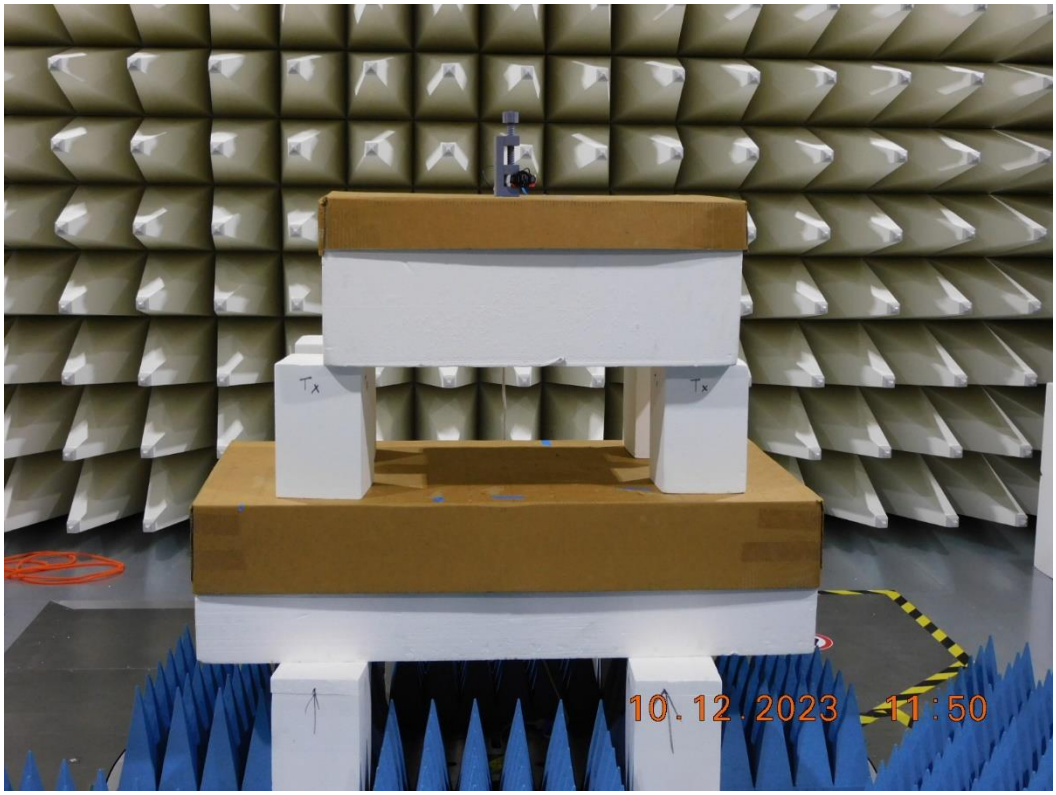

Figure RE08.4: EUT test setup, front view

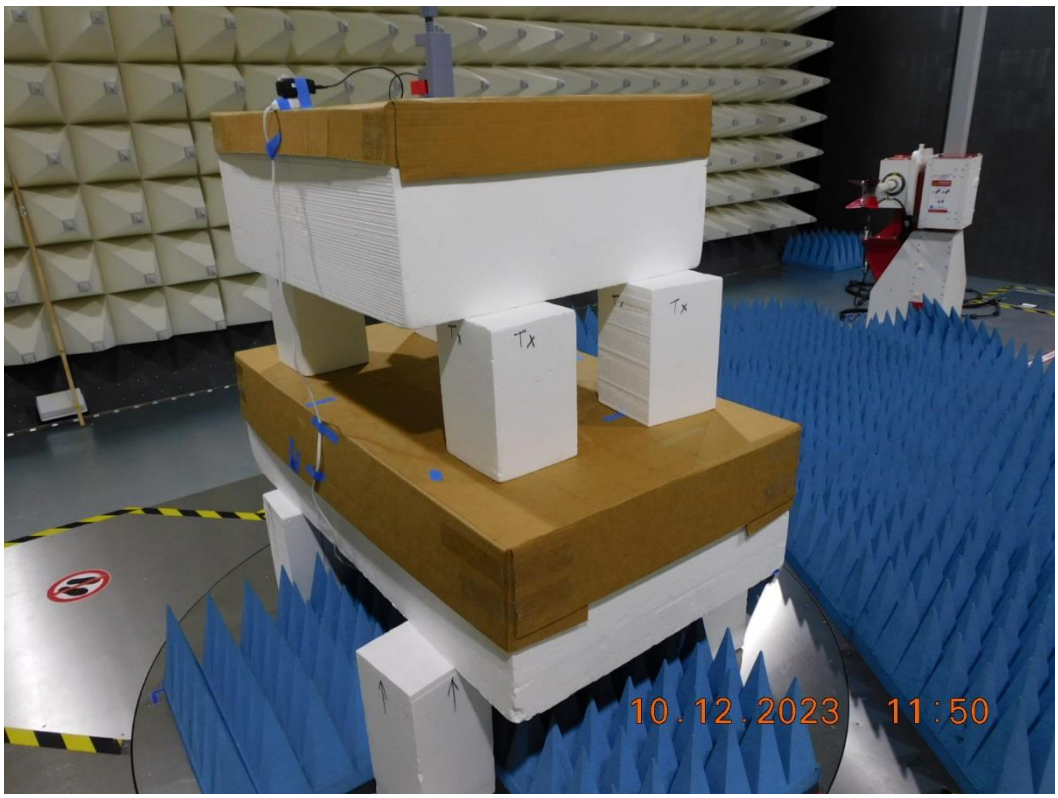

Figure RE08.5: EUT test setup, reverse view

The following material would have appeared on or near page 34 of GCL Test Report 2023-068.

Figure RE09.2: EUT test setup, front view

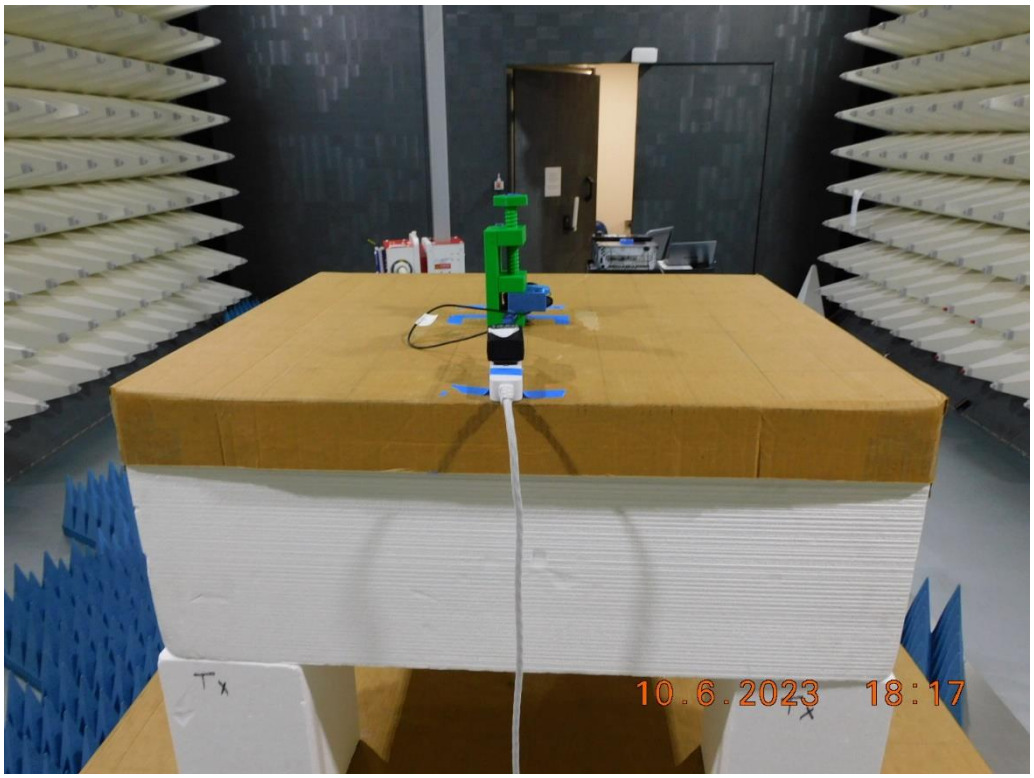

Figure RE09.3: EUT test setup, reverse view

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 15.249
CFR 47, FCC Part 15.247
CFR 47, FCC Part 15.225
CFR 47, FCC Part 15, Subpart B
ANSI C63.10: 2013 and ANSI C63.10: 2020
ANSI C63.4: 2014
RSS-GEN Issue 5 Amd 2
RSS-210 Issue 10 Amd 1
RSS-247 Issue 2
ICES-003 Issue 7 (Oct. 2015)

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.

TRC-43 Issue 3

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.

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