


<b>Prüfbericht-Nr.:</b> <i>Test report no.:</i>	<b>E24P27W-001 Appendix 1</b>	<b>Auftrags-Nr.:</b> <i>Order no.:</i>	290100495	Seite 1 von 13 <i>Page 1 of 13</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client reference no.:</i>	1774198	<b>Auftragsdatum:</b> <i>Order date:</i>	2023.10.25	
<b>Auftraggeber:</b> <i>Client:</i>	IKEA of Sweden AB			
<b>Prüfgegenstand:</b> <i>Test item:</i>	Hub for smart products			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type no.:</i>	DIRIGERA / E2315 / FCC ID: FHO-E2315			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	Accredited testing			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	FCC 47 CFR Part 15.247 with parts 15.207 & 15.209 ANSI C63.10: 2013			
<b>Wareneingangsdatum:</b> <i>Date of sample receipt:</i>	2023.12.06			
<b>Prüfmuster-Nr.:</b> <i>Test sample no.:</i>	N/A			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	N/A			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	Lund, Sweden			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland Sweden			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass			
<b>überprüft von:</b> <i>reviewed by:</i>	X 	<b>genehmigt von:</b> <i>authorized by:</i>	X 	
<b>Datum: 2024.04.15</b> <i>Date:</i>	Signed by: Maria Nyttun	<b>Datum: 2024.04.15</b> <i>Date:</i>	Signed by: Hakan Ahlberg	
<b>Stellung / Position:</b>	<b>Test Engineer</b>	<b>Stellung / Position:</b>	<b>Lab Manager</b>	
<b>Sonstiges / Other:</b>				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts.</i></p>				

## Revision History

REVISION	DATE	REMARKS	AUTHOR
001	2024.04.15	First Release	Maria Nyltun

Note: Latest revision report will replace all previous reports

This report based on FCC Part 15B no JBP Template version 1.1

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## 1. GENERAL INFORMATION

### 1.1 Test Site

Test Facility:	TÜV Rheinland Sweden AB
Address:	Mobilvägen 10
	223 62 Lund
	Sweden
Swedac Registration Number:	10325
FCC Test Firm Registration Number:	517458
ISED Test Site Registration Number:	24753

### 1.2 Client Information

Company Name:	IKEA of Sweden AB
Address:	Tulpanvägen 8
	343 34 Älmhult
	Sweden
Contact Person:	Gurudeep Manjulgud Devraj
Contact e-Mail / Telephone	<a href="mailto:gurudeep.manjulgud.devraj@inter.ikea.com">gurudeep.manjulgud.devraj@inter.ikea.com</a>

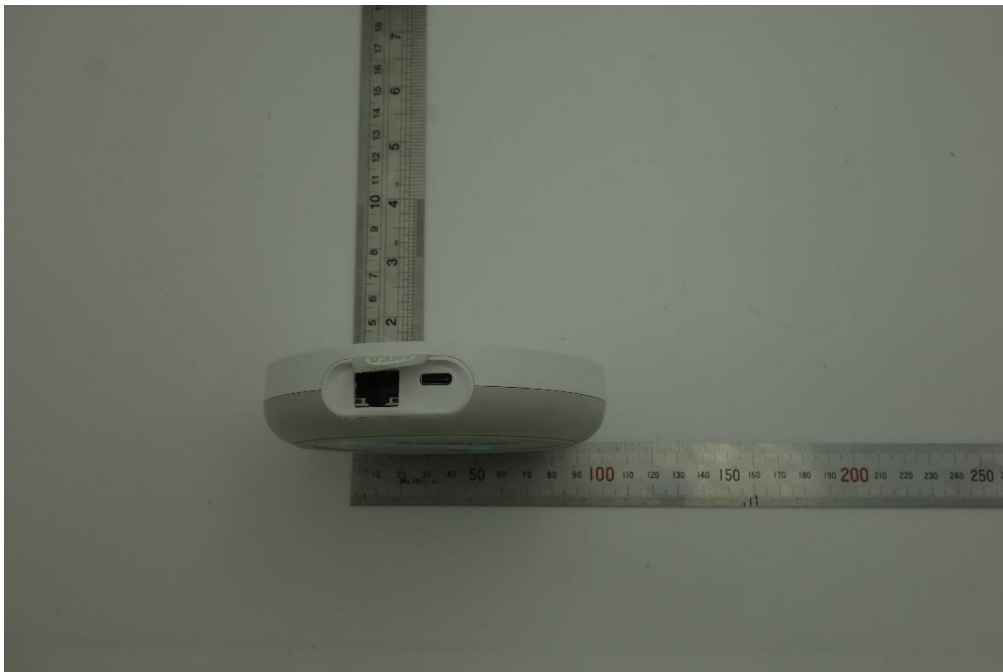
## 2. Photographs

### 2.1 Photographs of the EUT

Top view



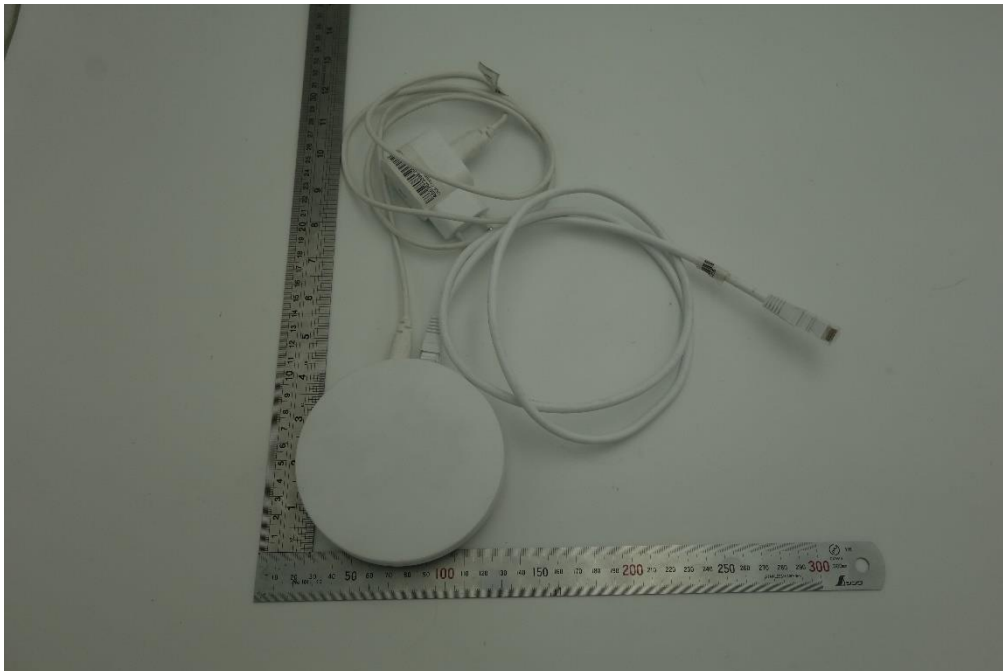
Side view



**Bottom view**

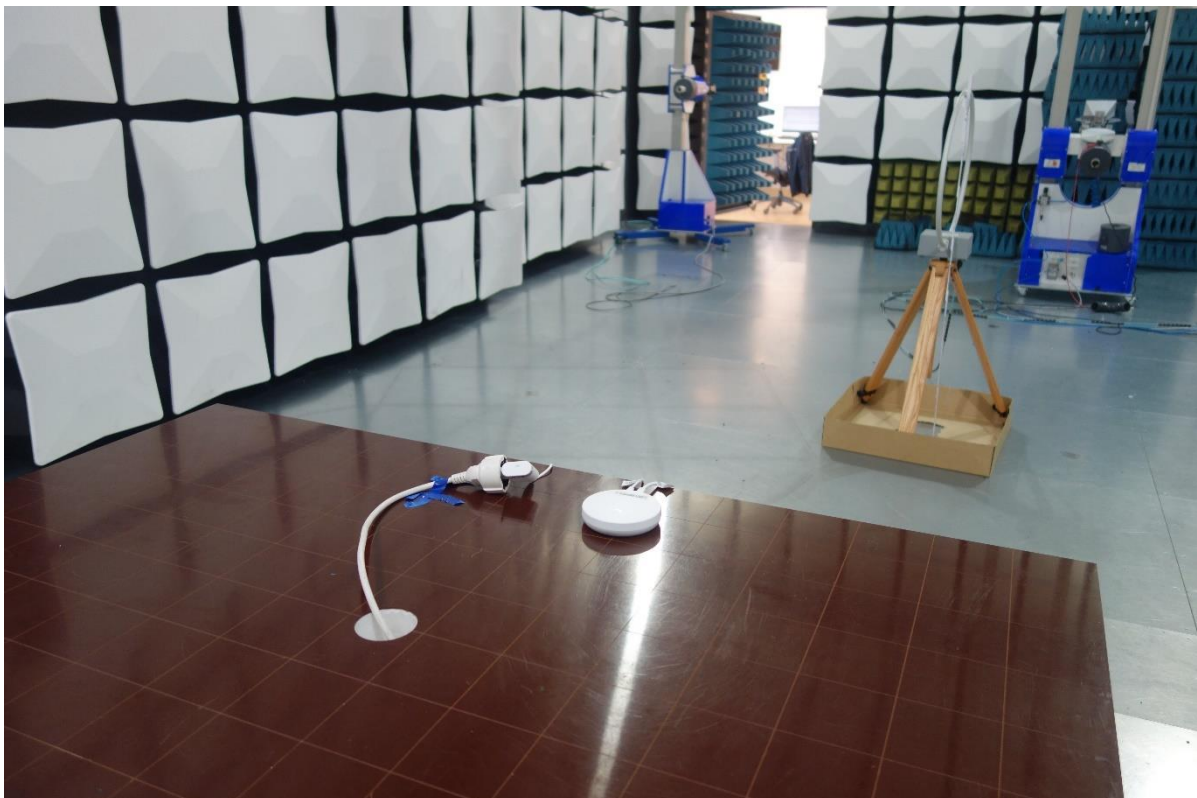
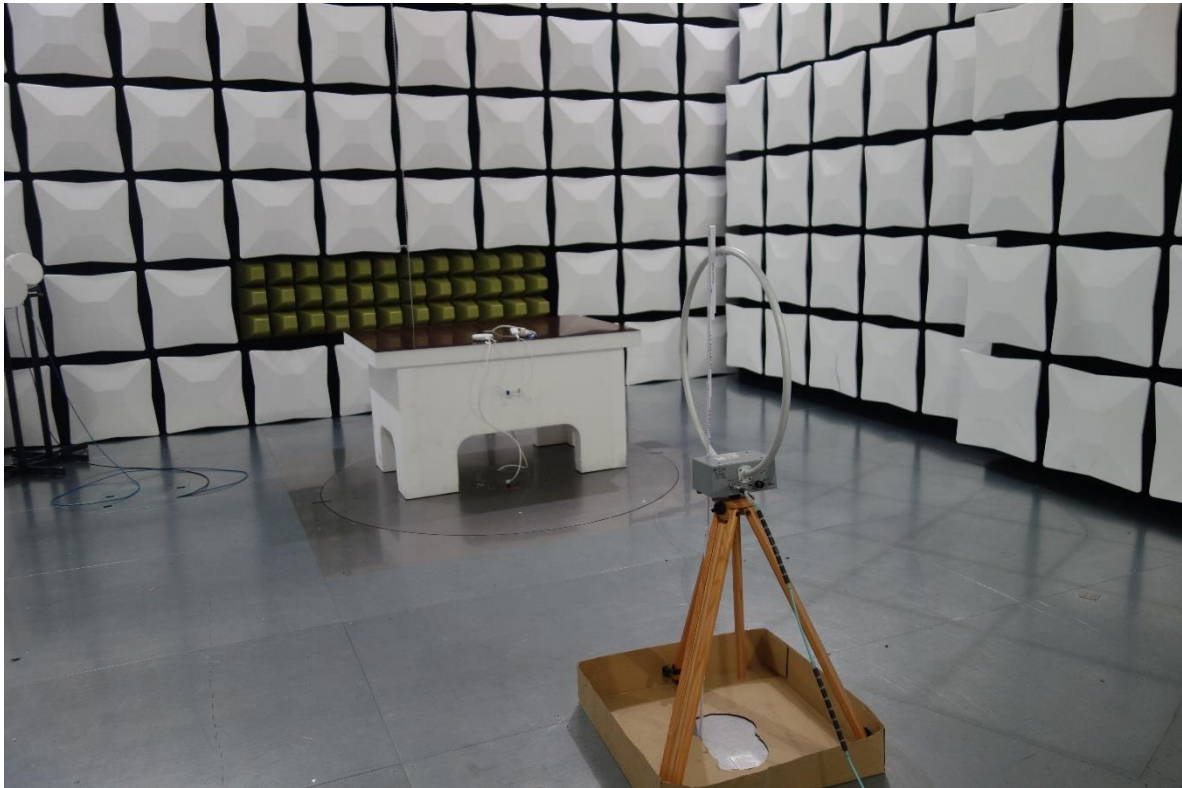


**DUT inclusive power supply and ethernet cable**



## 2.2 Photographs of the Test Setup: Radiated Emission 9 kHz – 30 MHz

### Loop Antenna Parallel to Axis

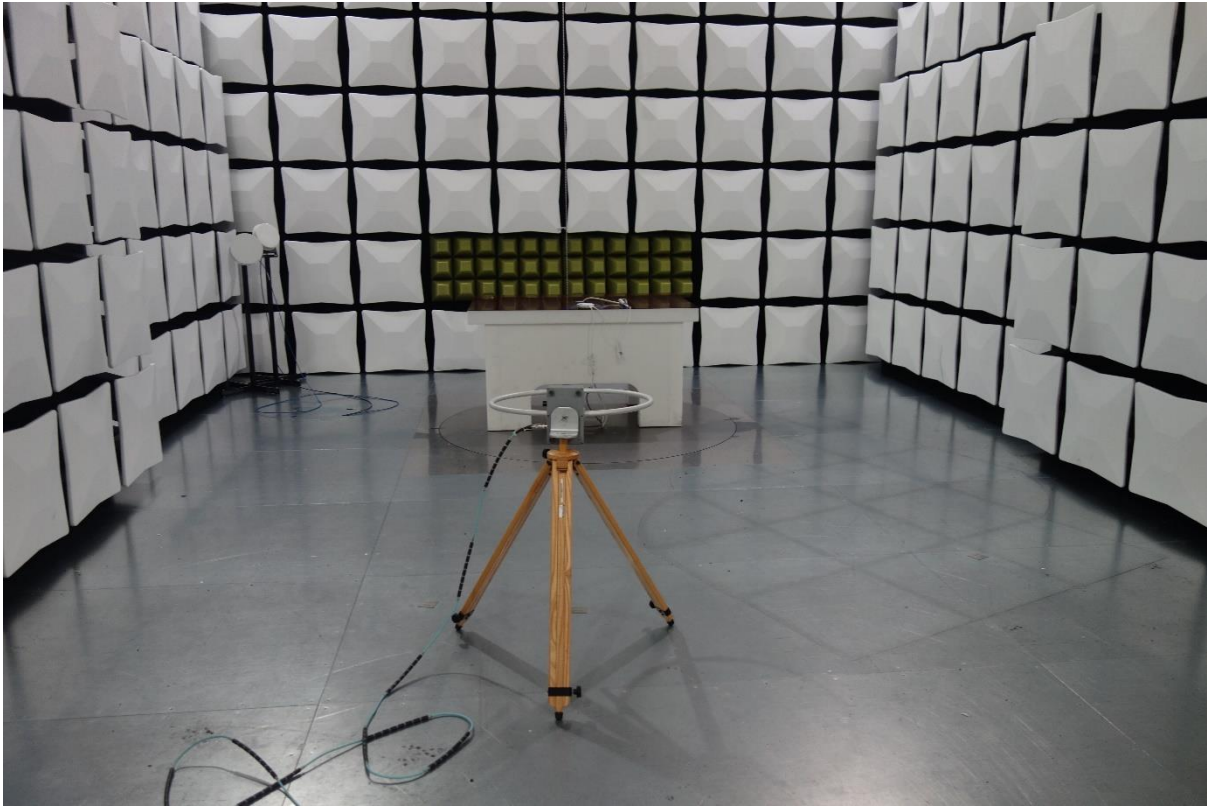


Loop Antenna Perpendicular to Axis

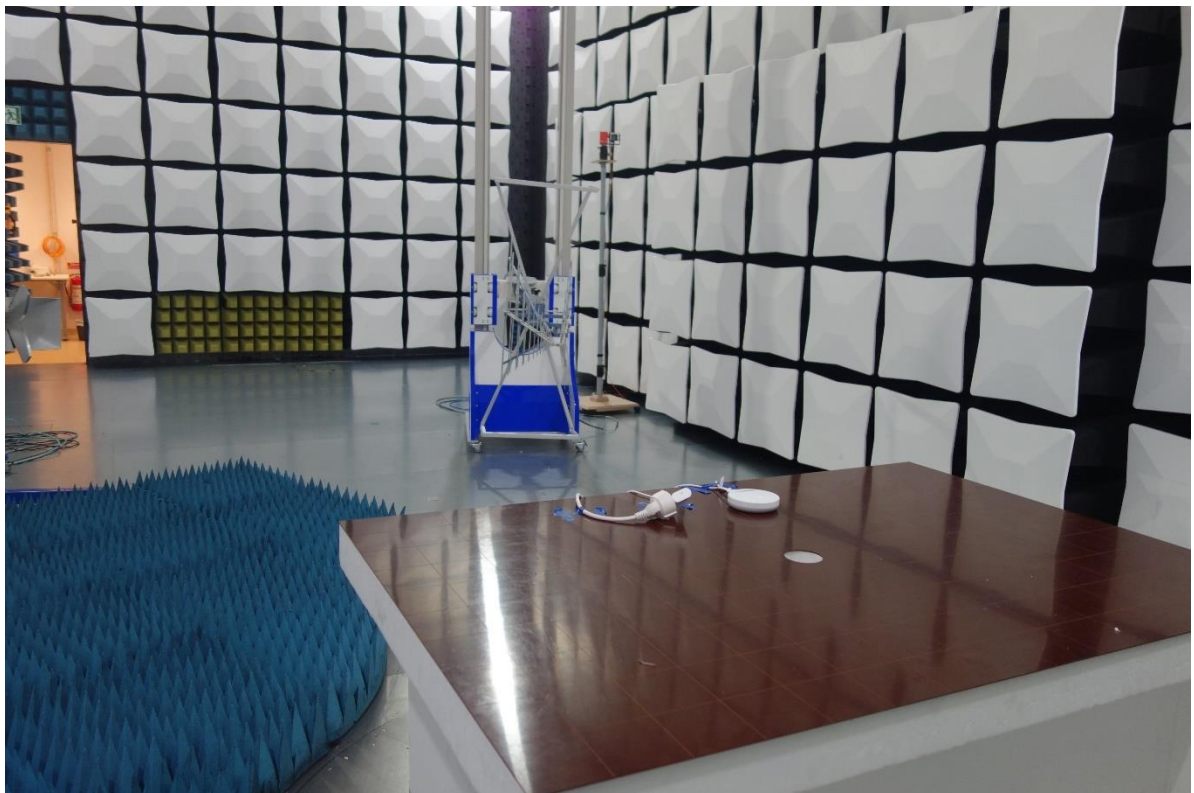




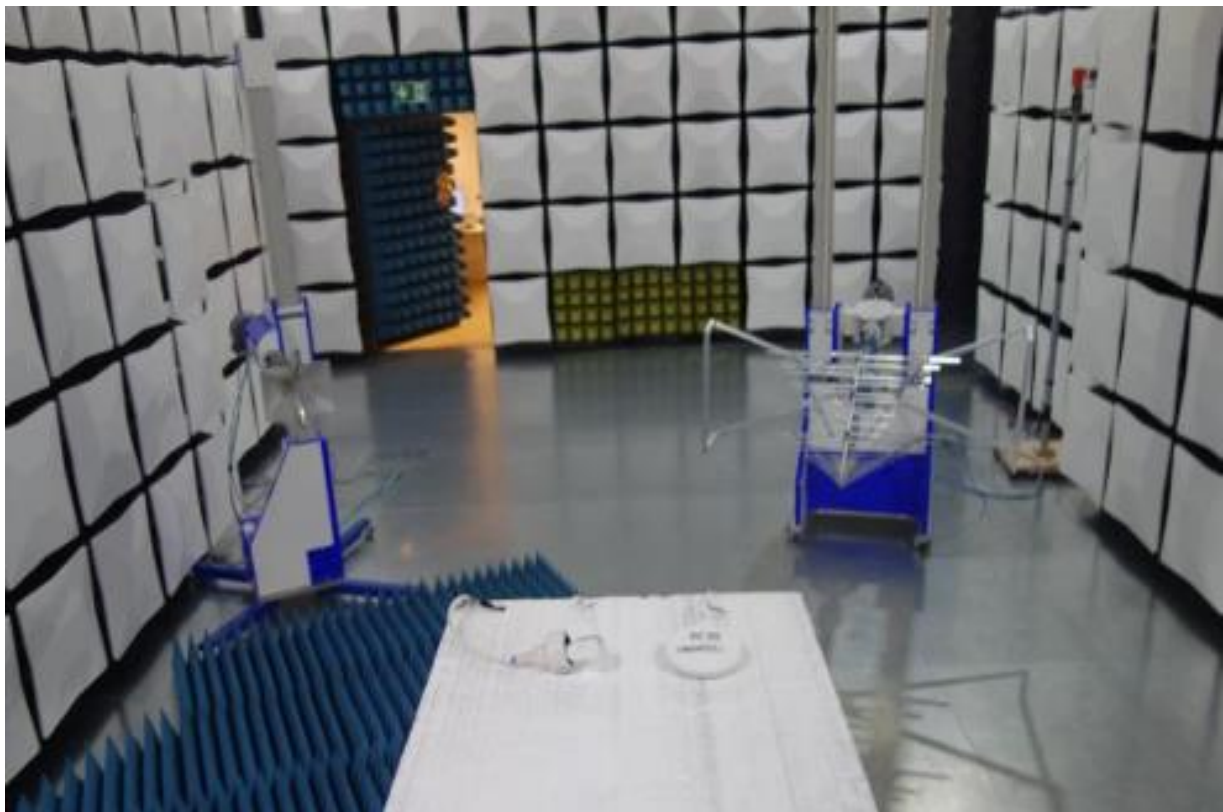
**Loop Antenna Parallel to Floor**



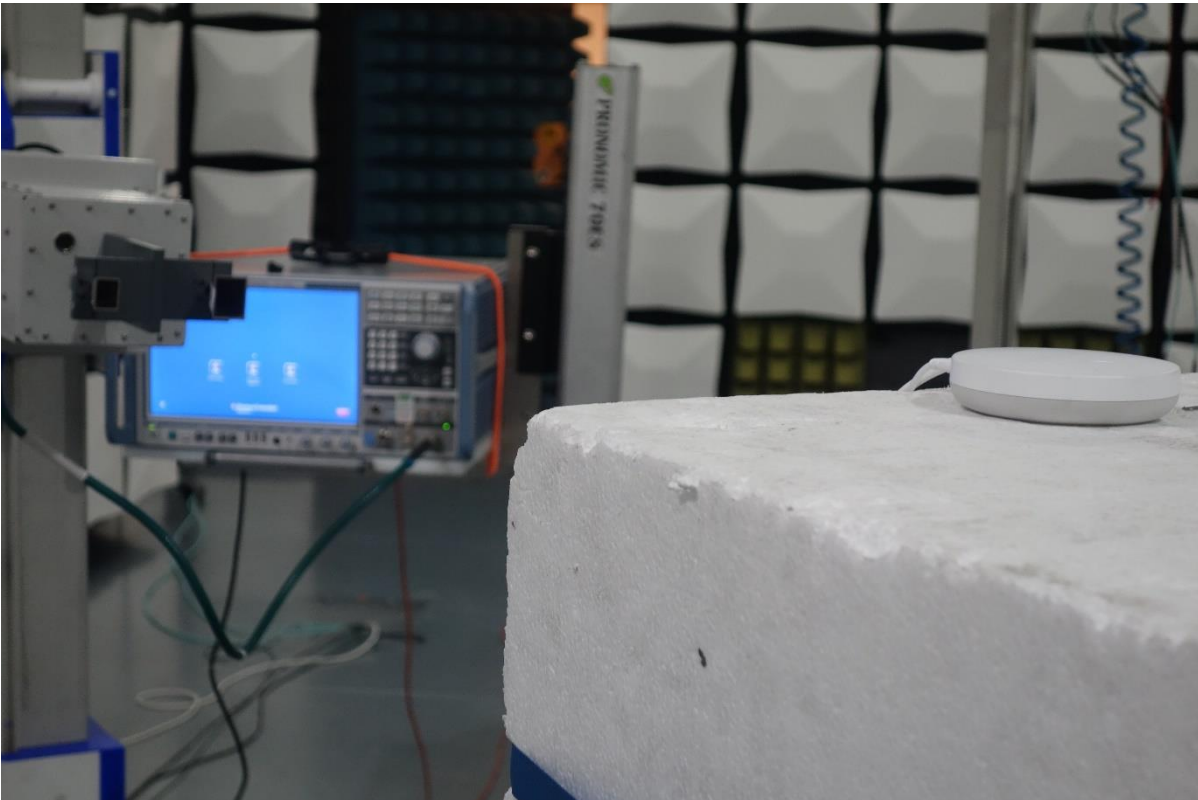
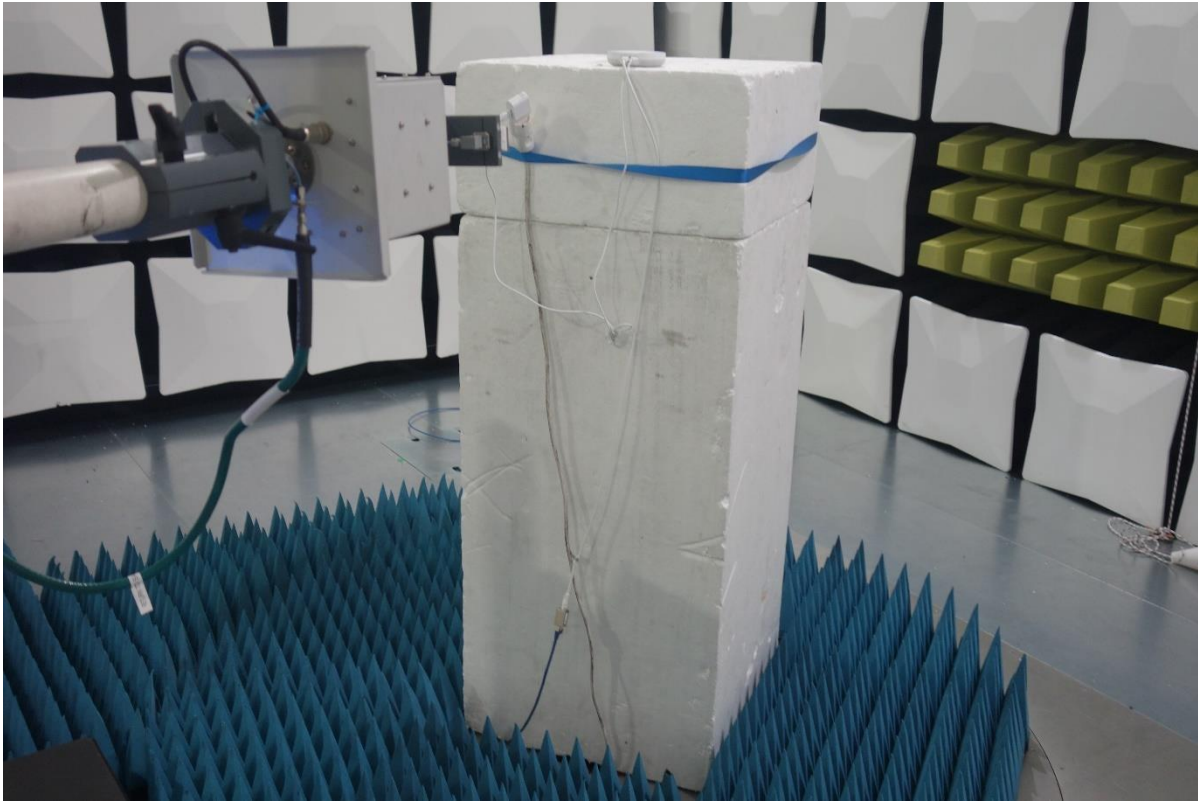
### 2.3 Photographs of the Test Setup: Radiated Emission 30 MHz – 1 GHz



## 2.4 Photographs of the Test Setup: Radiated Emission 1 GHz – 18 GHz



## 2.5 Photographs of the Test Setup: Radiated Emission 18 GHz – 40 GHz



## 2.6 Photographs of the Test Setup: Conducted Emissions

