

Prüfbericht-Nr.: Test report no.:	60431076-004 Appendix 1	Auftrags-Nr.: Order no.:	23870469 030	Seite 1 von 12 Page 1 of 12	
Kunden-Referenz-Nr.: Client reference no.:	1288983	Auftragsdatum: Order date:	2020.11.29		
Auftraggeber: Client:	IKEA of Sweden AB				
Prüfgegenstand: Test item:	Hub for smart products				
Bezeichnung / Typ-Nr.: Identification / Type no.:	DIRIGERA / E2003 / FCC ID: FHO-E2003				
Auftrags-Inhalt: Order content:	Accredited testing according to FCC Part 15C				
Prüfgrundlage: Test specification:	FCC 47 CFR Part 15.247 with parts 15.207 & 15.209 ANSI C63.10: 2013				
Wareneingangsdatum: Date of sample receipt:	2020.11.30				
Prüfmuster-Nr.: Test sample no.:	See section 2.3				
Prüfzeitraum: Testing period:	2021.02.08 - 2021.03.04				
Ort der Prüfung: Place of testing:	Lund, Sweden				
Prüflaboratorium: Testing laboratory:	TÜV Rheinland Sweden				
Prüfergebnis*: Test result*:	Pass				
überprüft von: reviewed by:	genehmigt von: authorized by:				
Datum: 2022.02.16 Date:	Datum: 2022.02.16 Date:				
Stellung / Position:	Senior Technical Expert	Stellung / Position:	Lab Manager		
Sonstiges / Other:	This report contains measurements for the Thread radio interface only				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged				
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend 3 = satisfactory F(ail) = failed a.m. test specification(s)	4 = ausreichend 4 = sufficient N/A = not applicable	5 = mangelhaft N/T = nicht getestet 5 = poor N/T = not tested
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good	3 = satisfactory F(ail) = failed a.m. test specification(s)	4 = sufficient N/A = not applicable	5 = poor N/T = not tested
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. <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>					

Revision History60431076-004 Appendix 160431076-004 Appendix 1

REVISION	DATE	REMARKS	AUTHOR
001	2021.04.27	First Release	Niall Forrester
002	2021.09.28	Corrected gain figures, updated module name.	Niall Forrester
003	2021.12.06	Replaced gain with module figure	Niall Forrester
004	2022.02.16	Corrected label - peak output power	Niall Forrester
Note: Latest revision report will replace all previous reports			
This report based on FCC Part 15.247 Template version 1.2			

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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

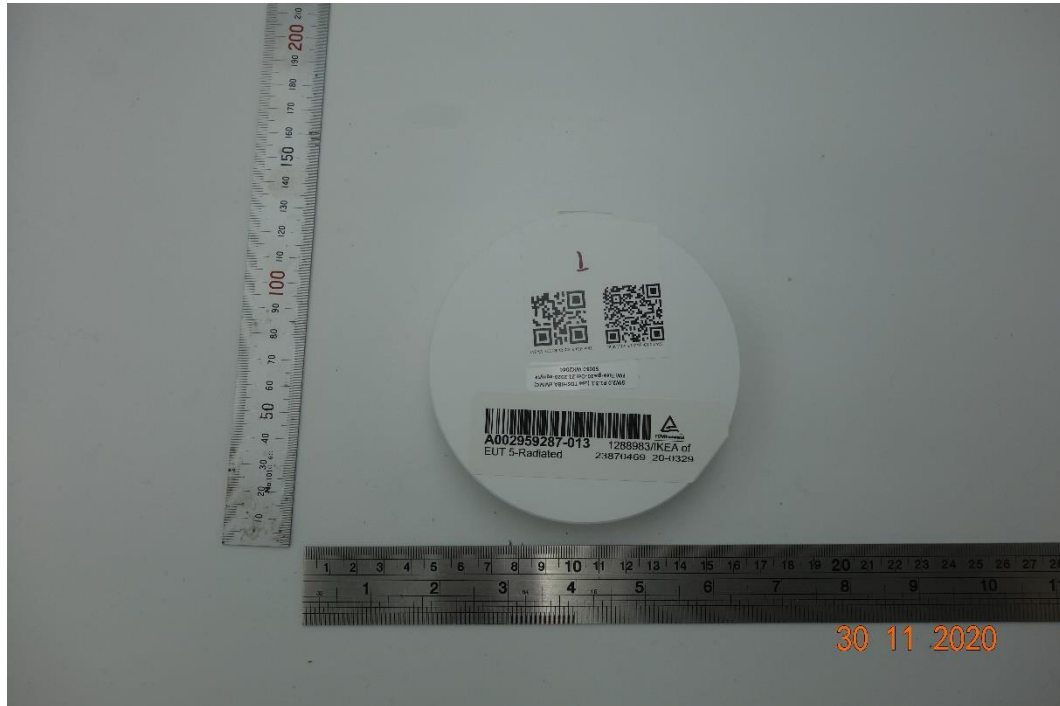
1.2 Client Information

Company Name:	IKEA
Address:	Tulpanvägen 8
	343 34 Älmhult
	Sweden
Contact Person:	Jeton Salihu
Contact e-Mail / Telephone	Jeton.saliu@inter.ikea.com +46 701443175

2. Photographs

2.1 Photographs of the EUT

Top View



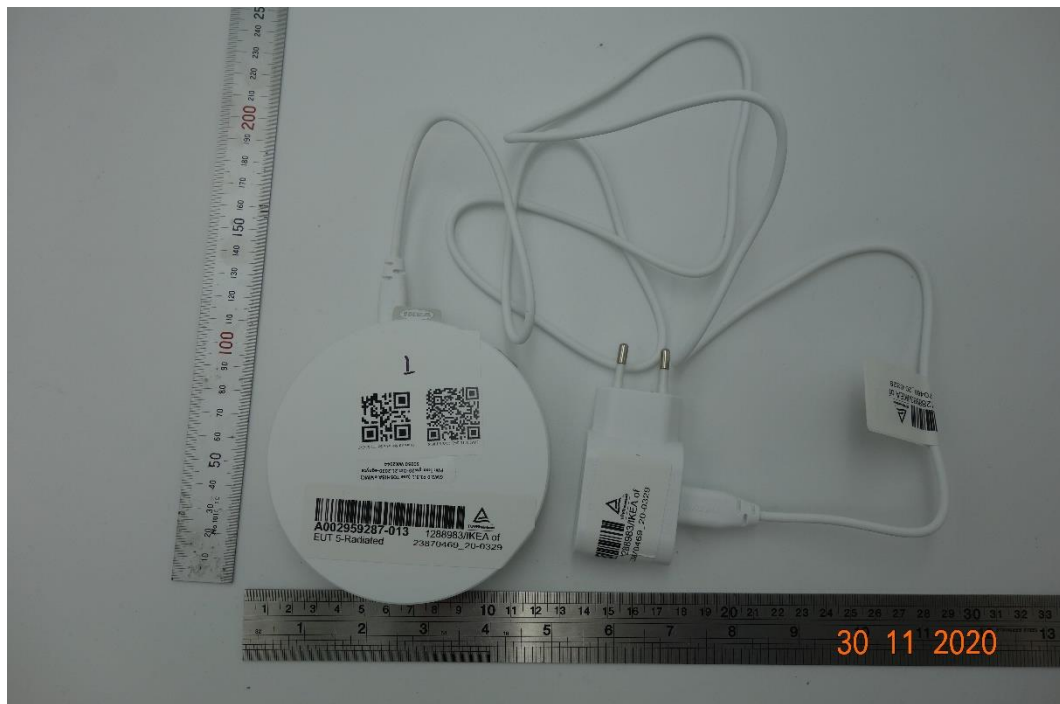
Side View



Bottom View

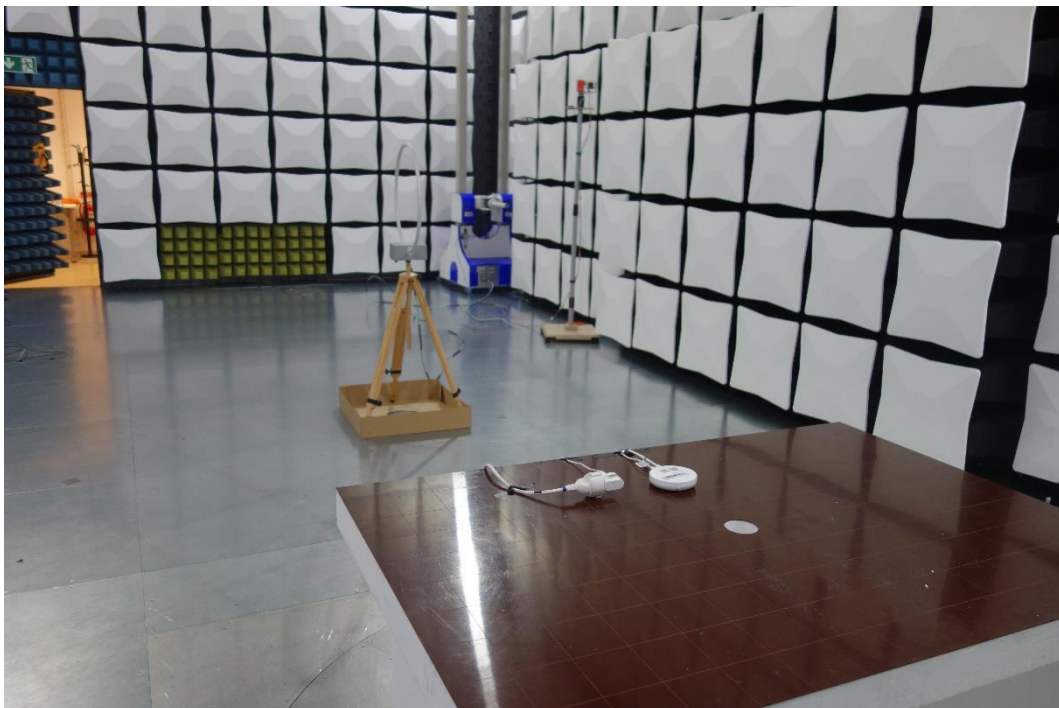
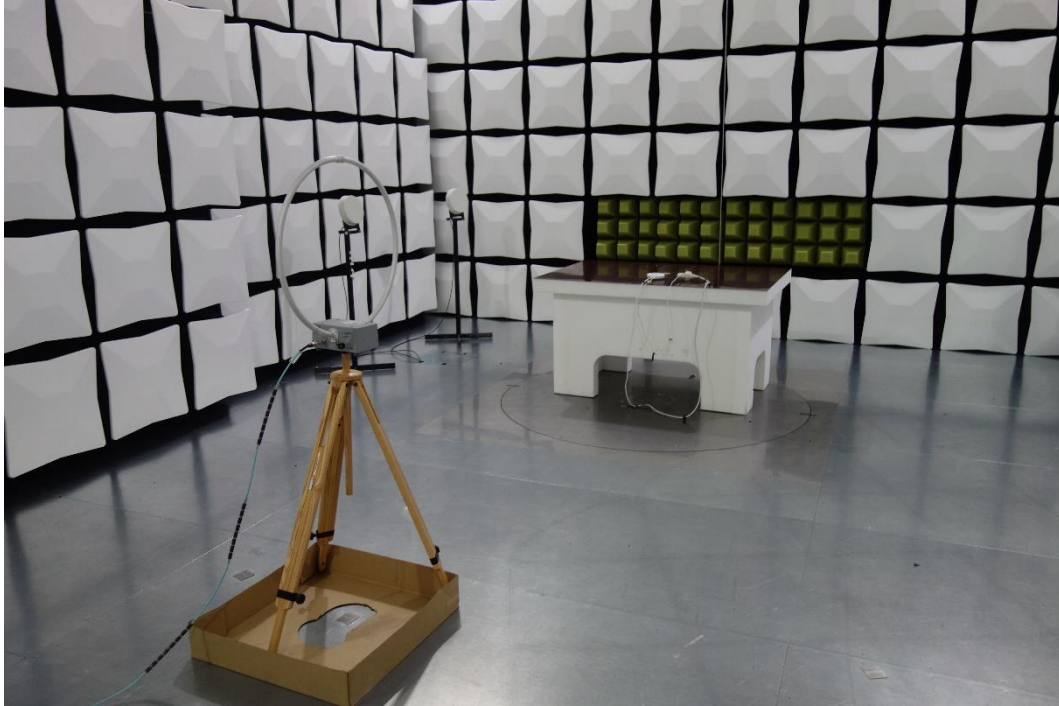


Device with Power Supply and USB Cable



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

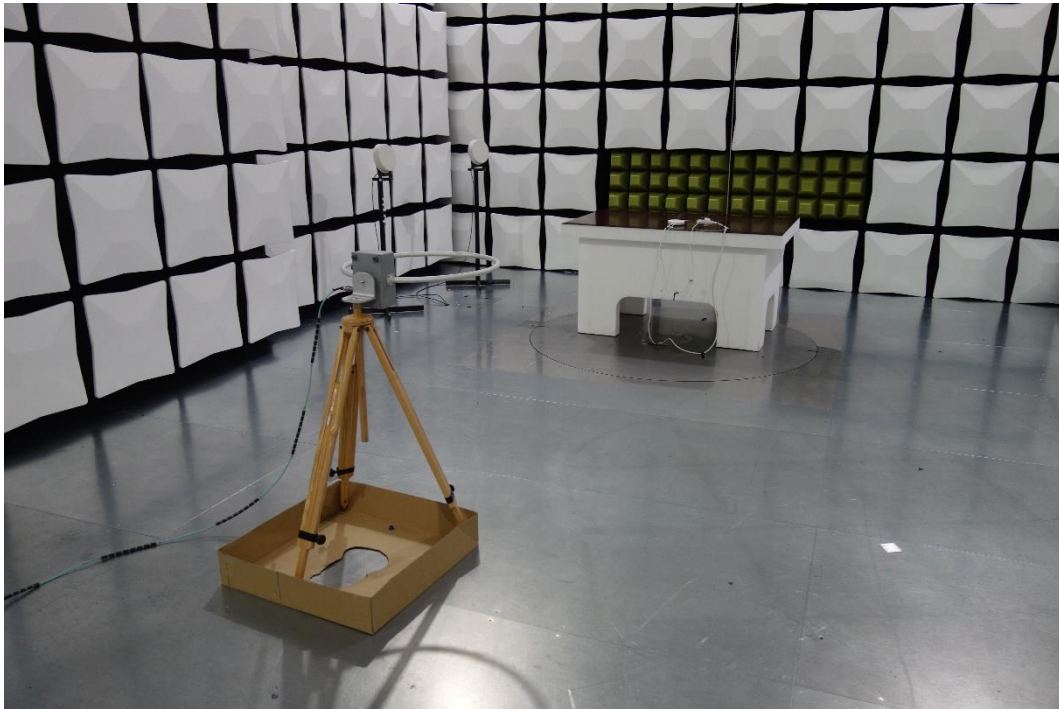
Loop Antenna Parallel to Axis



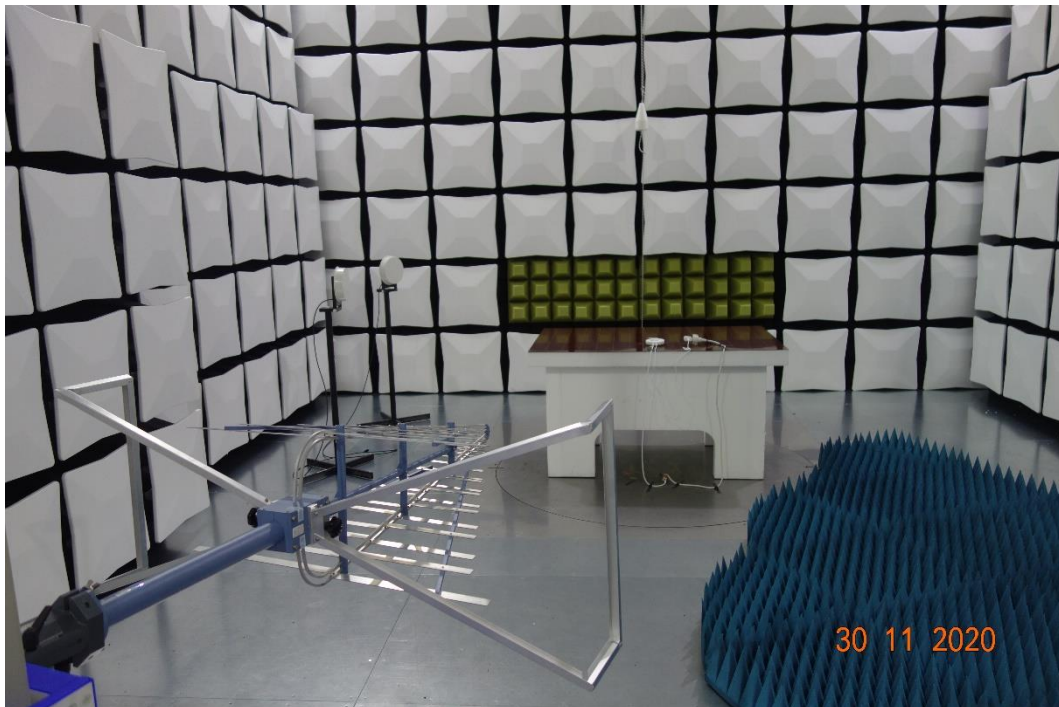
Loop Antenna Perpendicular to Axis



Loop Antenna Parallel to Floor



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



2.4 Test Setup Photographs: Radiated Emissions 1 GHz – 18 GHz



2.5 Test Setup Photographs: Radiated Emissions 18 GHz – 40 GHz



2.6 Test Setup Photographs: Conducted Emissions

