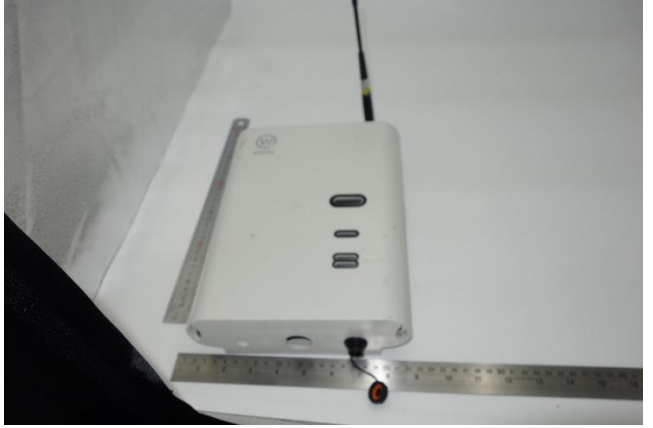


Prüfbericht-Nr.: Test report no.:	60440949-003 Appendix 1	Auftrags-Nr.: Order no.:	23870482 030	Seite 1 von 13 Page 1 of 13
Kunden-Referenz-Nr.: Client reference no.:	2311184	Auftragsdatum: Order date:	2020.12.09	
Auftraggeber: Client:	Wittra Sweden AB			
Prüfgegenstand: Test item:	Gateway 1.0 US			
Bezeichnung / Typ-Nr.: Identification / Type no.:	Gateway 1.0 / FCC ID:2AYHX00347			
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:	2020.12.09			
Prüfmuster-Nr.: Test sample no.:	See section 2.3			
Prüfzeitraum: Testing period:	2021.01.18 – 2021.02.01			
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: 2021.06.23 Date:	Signed by: Niall Forrester	Datum: 2021.06.23 Date:	Signed by: Per Larsson	
Stellung / Position:	Senior Technical Expert	Stellung / Position:	Lab Manager	
Sonstiges / Other:	Note: This reports contains information for Bluetooth Low Energy measurements 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 F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	4 = ausreichend N/A = nicht anwendbar
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory F(ail) = failed a.m. test specification(s)	4 = sufficient N/A = not applicable
5 = mangelhaft N/T = nicht getestet 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 History60440949-003 Appendix 160440949-003 Appendix 1

REVISION	DATE	REMARKS	AUTHOR
001	2021.04.16	First release	Niall Forrester
002	2020.05.12	Added plots to section 4.11.2	Niall Forrester
003	2020.06.23	Corrected gain figures and minor typos	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:	Wittra Sweden AB
Address:	Rosenlundsgatan 40 OTR
	118 53 Stockholm
	Sweden
Contact Person:	Warwick Taws
Contact e-Mail / Telephone	wat@wittra.se

2. Photographs

2.1 Photographs of the EUT

Bottom End View



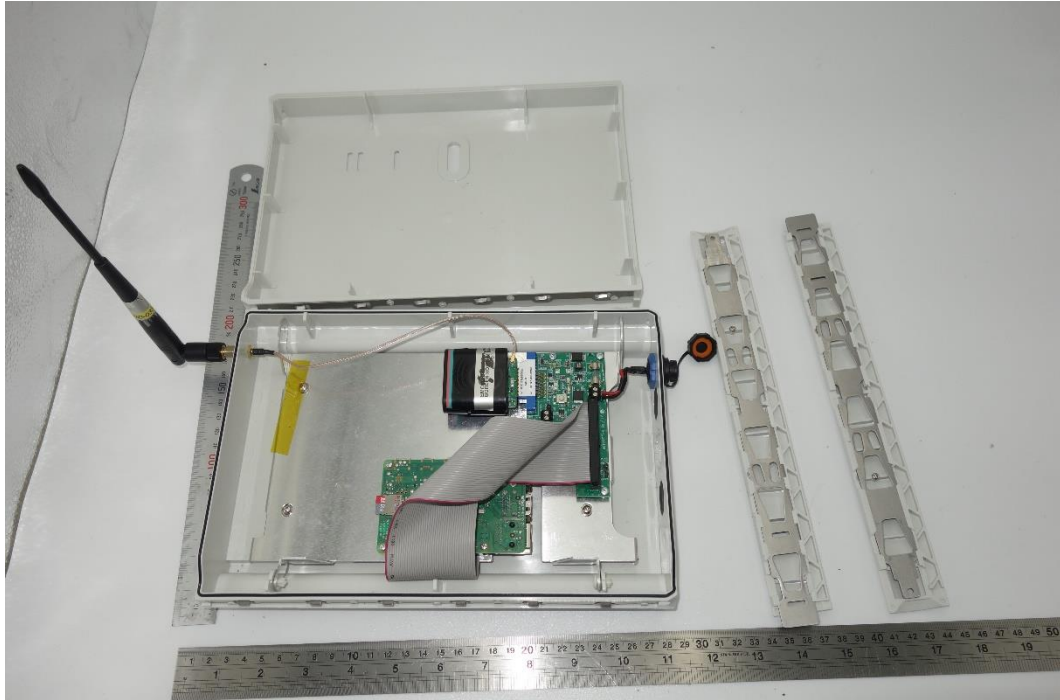
Front View



Top End View

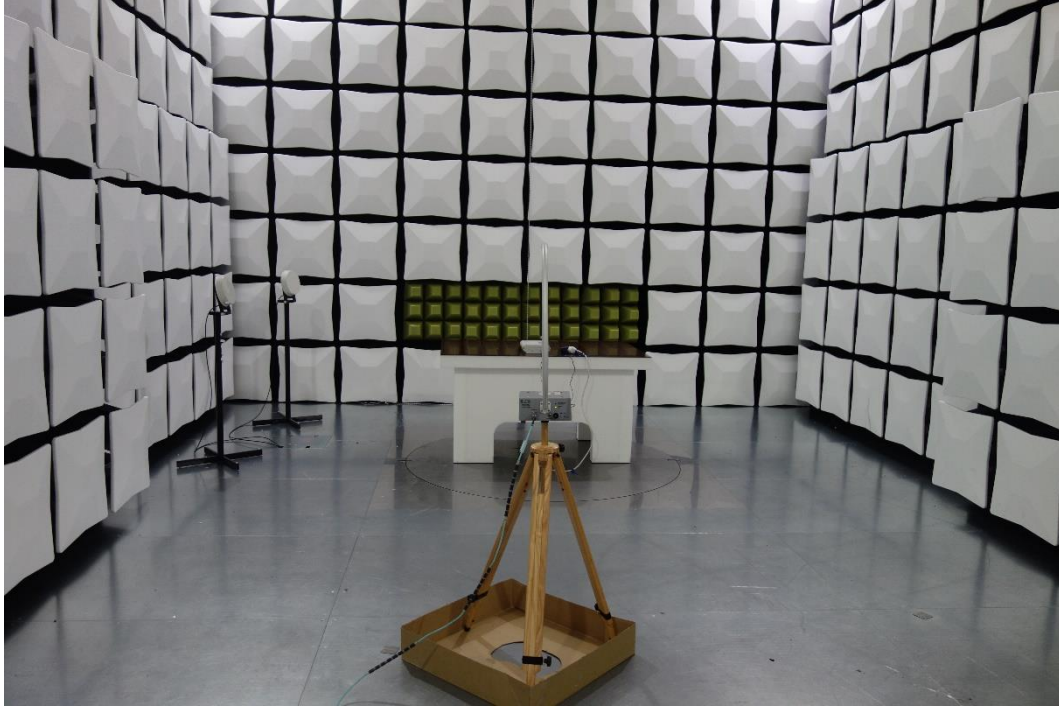


Open case view

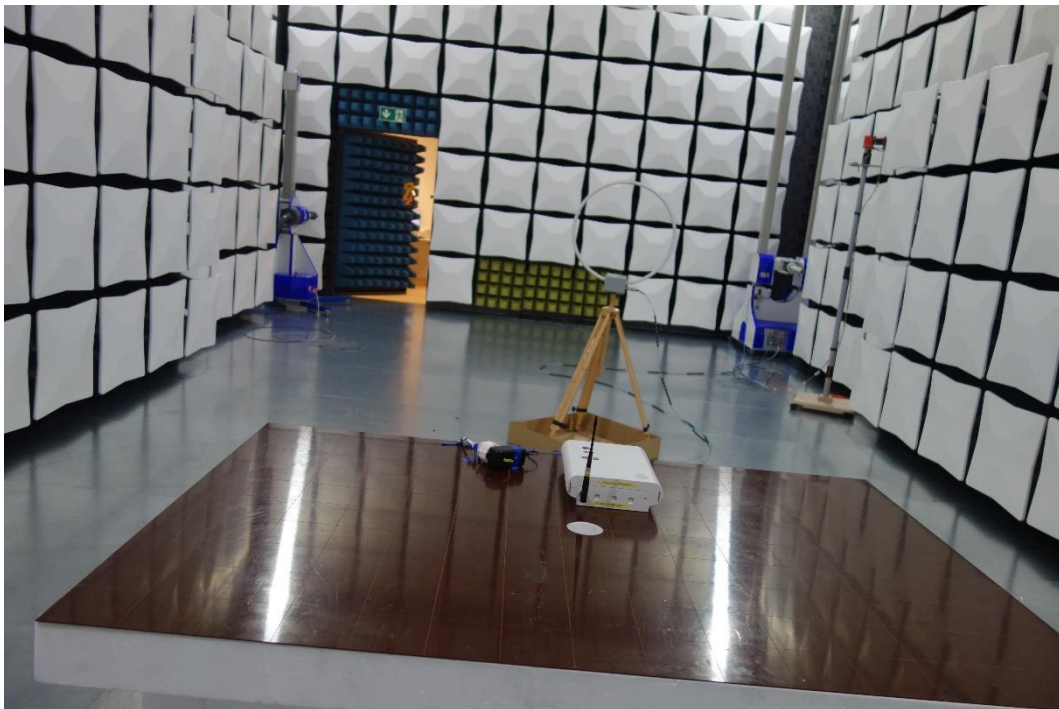


2.2 Test Setup Photographs: Radiated Emission 9 kHz – 30 MHz

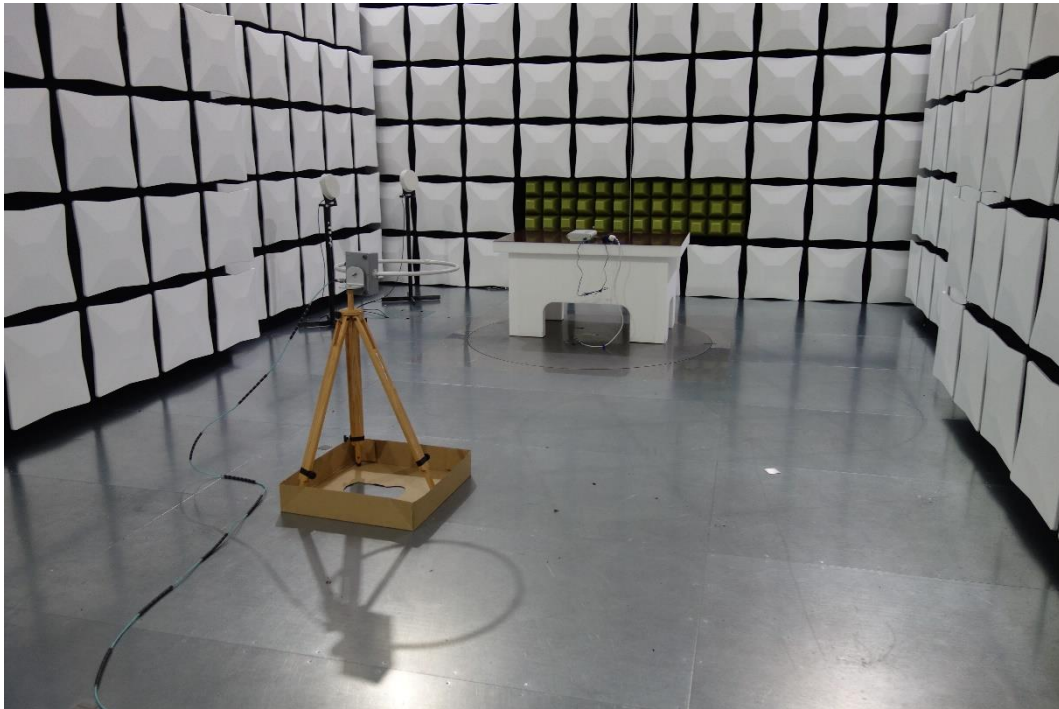
Loop Antenna Parallel to Axis



Loop Antenna Perpendicular to Axis



Loop Antenna Parallel to Floor



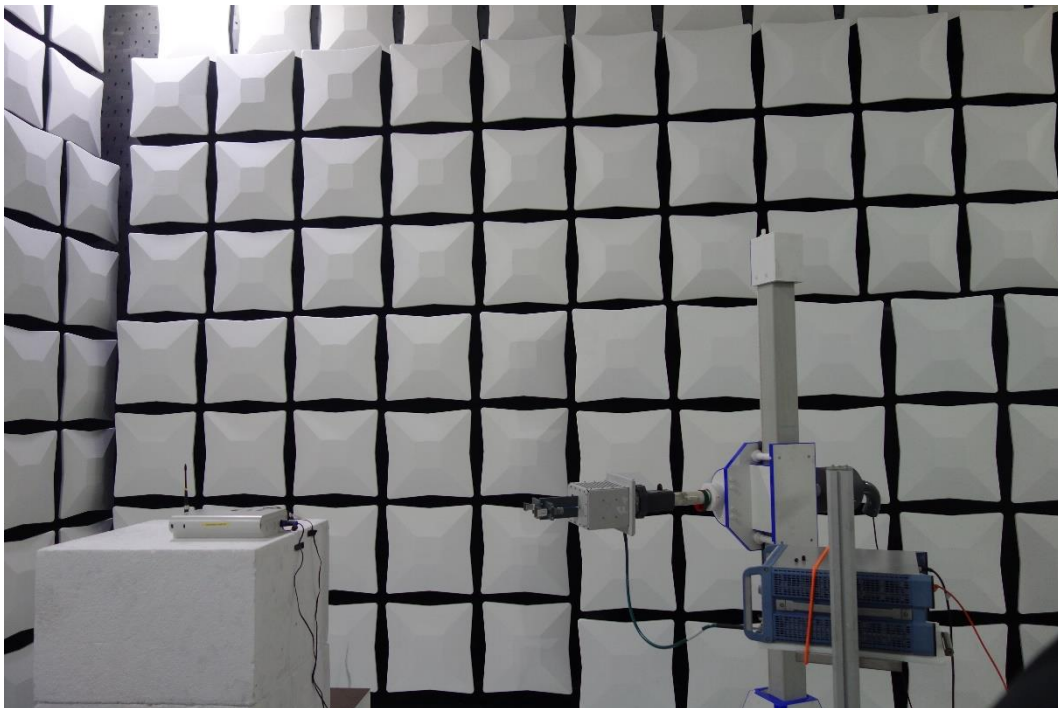
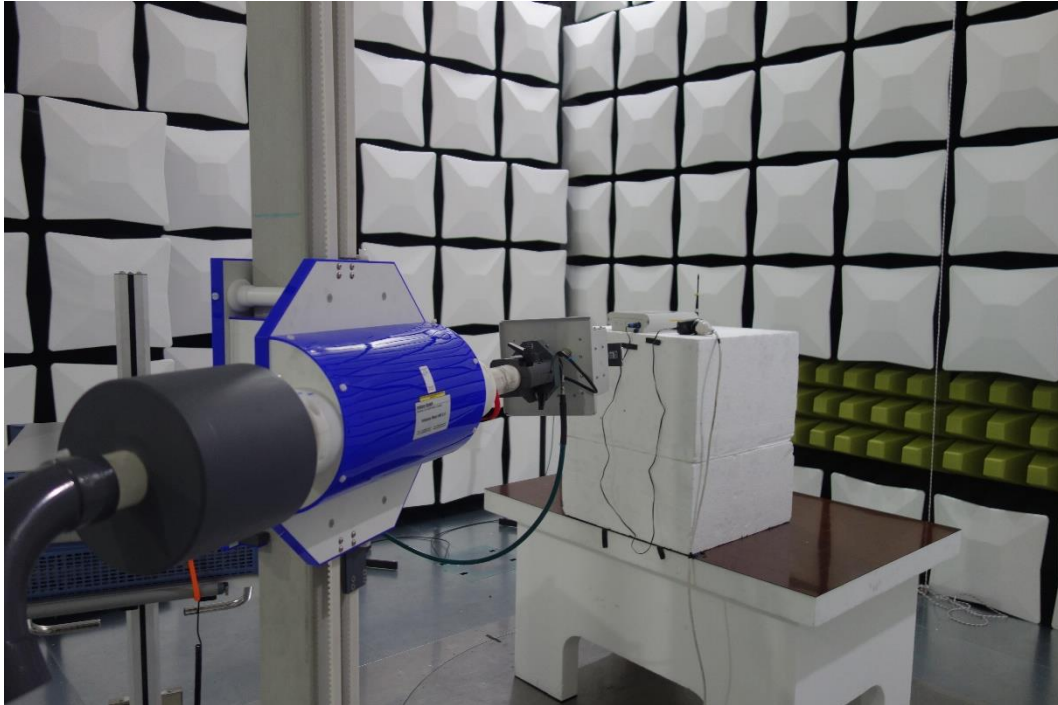
2.3 Test Setup Photographs: Radiated Emission 30 MHz – 1 GHz



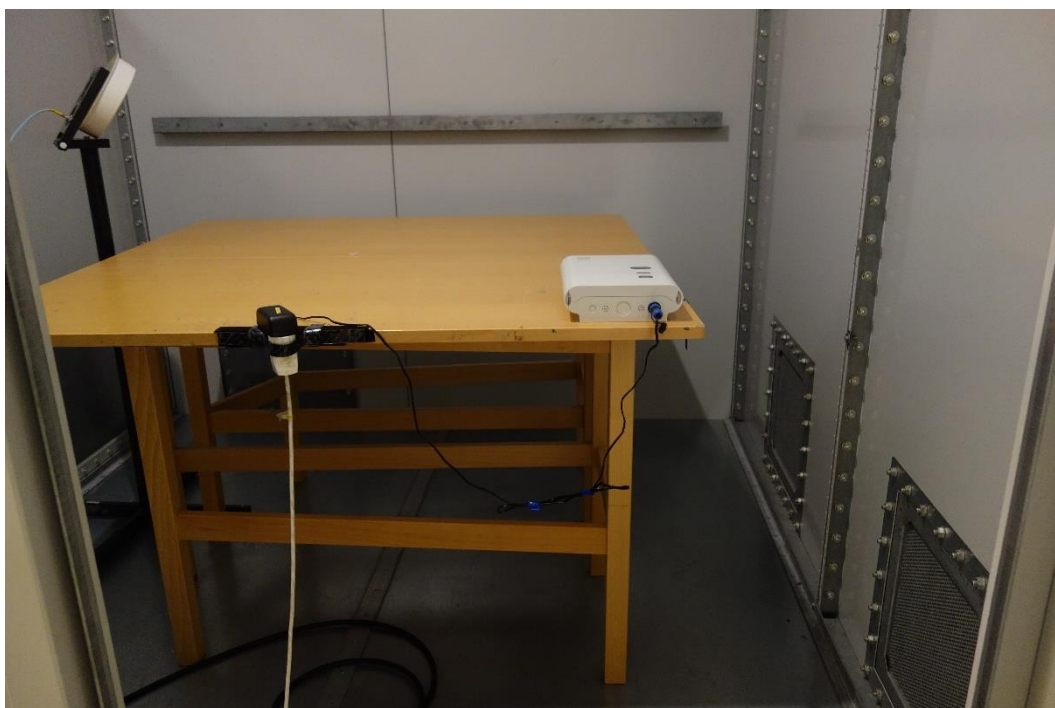
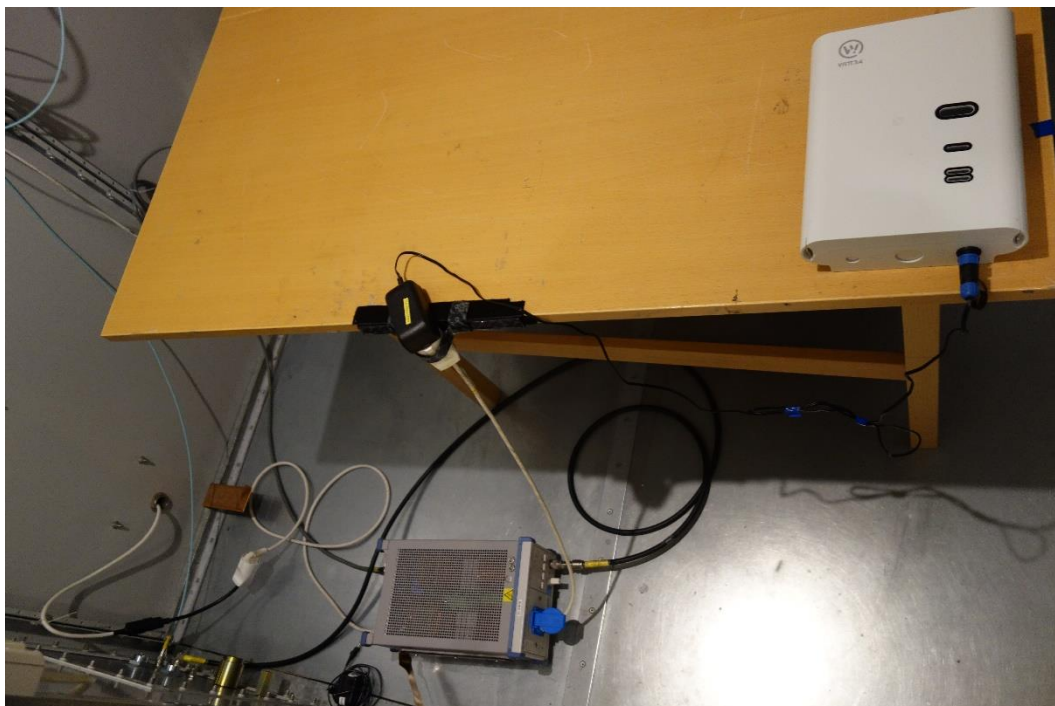
2.4 Test Setup Photographs: Radiated Emissions 1 GHz – 18 GHz



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



2.6 Test Setup Photographs: Conducted Emissions



2.7 Test Setup Photographs: Conducted RF

