

Confidential Report

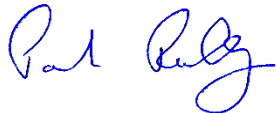
Project Num	22E10132-2a Part 2 of 2
Quotation	Q22-1908-3
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Tested By	Michael Kirby
Test Report By	Michael Kirby
FCC Test Firm Registration	409640
ISED CAB identifier:	8517A
Date	4 th Oct 2022
EUT Description	Nordic ID HH83 Barcode, Model 837-1A
Authorised by	Paul Reilly
Authorised Signature:	

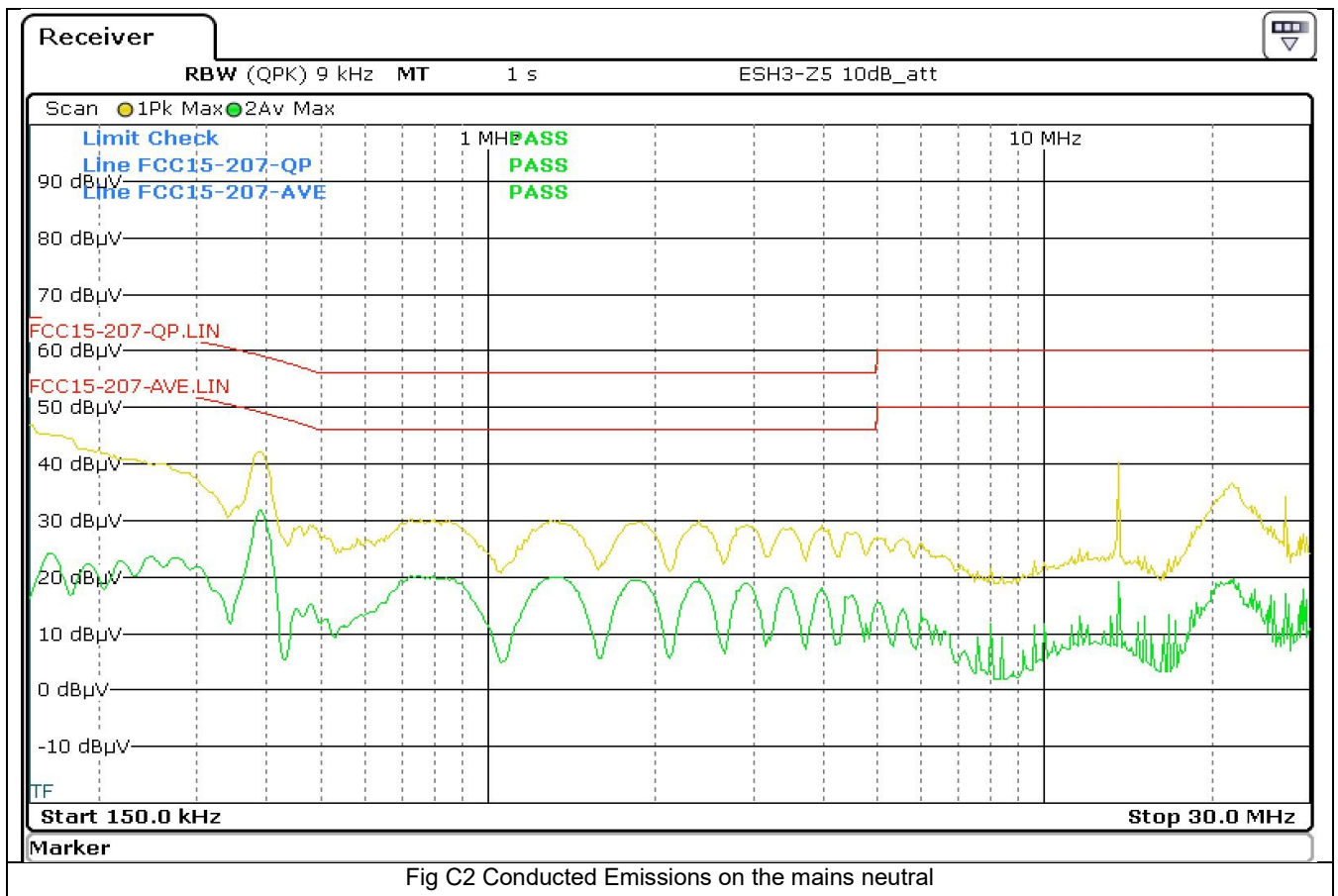
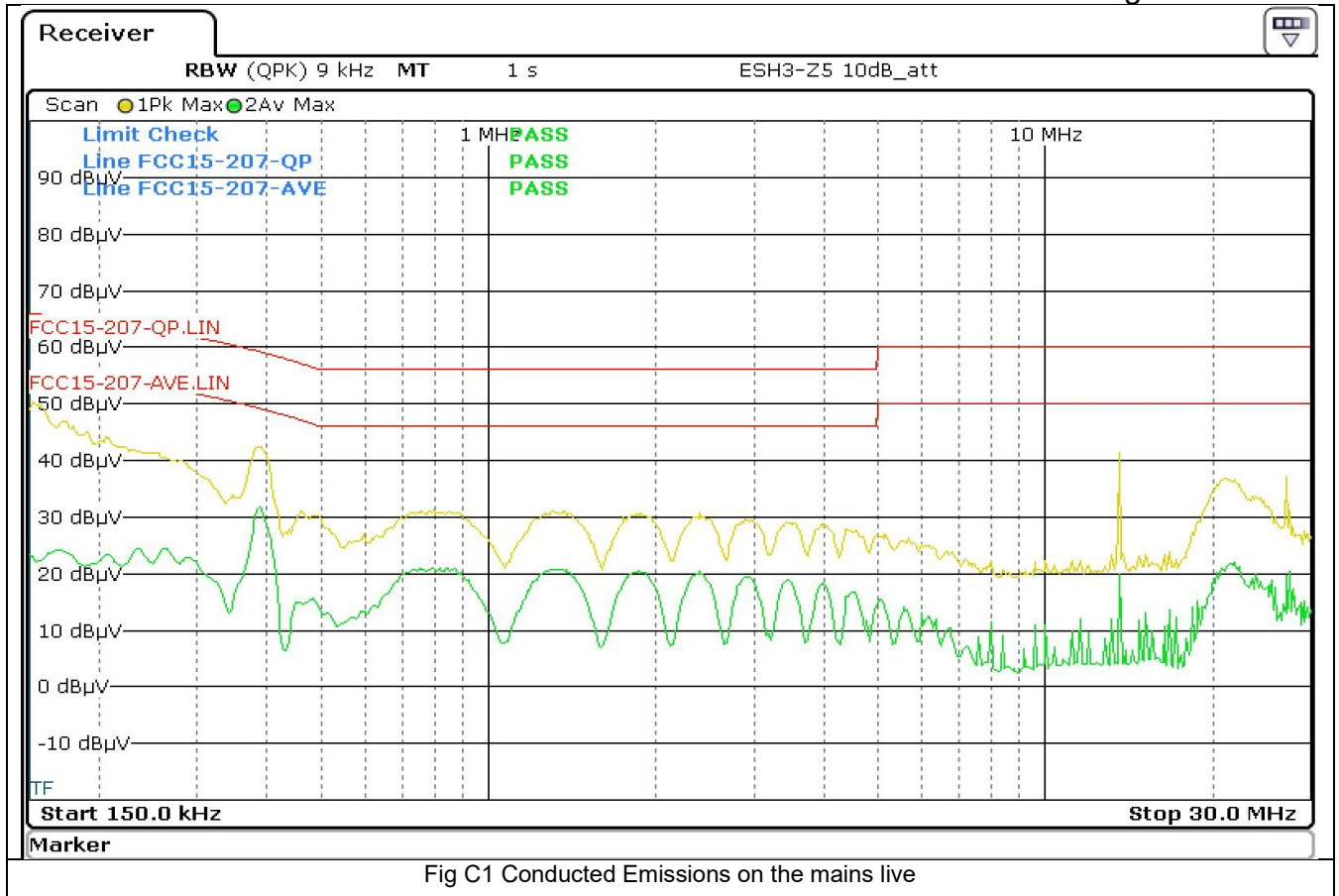
Exhibit A – Technical Report

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Ref 22E10132-2a Part 1 of 2 for main part of the report

Appendix C Conducted Emissions on the mains



Appendix D List of Test Equipment

Instrument	Manufacturer	Model	Serial Num	CEI Ref	Cal Due Date	Cal Interval Months
Microwave Preamplifier	Hewlett Packard	83017A	3123A00175	805	30-Sep-23	12
Spectrum Analyser 30Hz-40GHz	Rohde& Schwarz	FSP40	100053	850	10-Dec-24	36
Test Receiver 3.6GHz	Rohde& Schwarz	ESR	1316.3003k03-101625-s	869	28-May-23	36
Spectrum Analyser 30Hz-40GHz	Agilent	8564EC	4439A00890	879	29-Jul-23	36
LISN	Rohde & Schwarz	ESH3-Z5	825460/003	604	16-Feb-23	36
Antenna Horn	EMCO	3115	9905-5809	655	21-Jan-24	24
Fully Anechoic Chamber	CEI	FAR 3M	906	906	23-Jul-25	36
Anechoic Chamber	CEI	SAR 10M	845	845	17-May-25	36
Antenna Biconical	Schwarzbeck	VHBB 9124	9124 667	871	06-Oct-24	36
Antenna Log Periodic	Chase	UPA6108	1072	609	09-Sep-24	36
Antenna Horn Standard Gain 18-26.5GHz	A-info	LB-42-25-C-KF	J2021091103028	877	05-Oct-23	12
Antenna Standard Gain Horn 26.5 - 40 GHz	A-info	LB-28-25-C-KF	J2022091103051	878	05-Oct-23	12
Cable Ntype 10m				963	29-Jul-23	12
Cable Ntype 2m				828	29-Jul-23	12
Cable purple Ktype 1.8m				917	29-Jul-23	12
Cable Ntype 10m				914	29-Jul-23	12
Cable HF Ktype 1.5m				705	29-Jul-23	12

Appendix E Test Configurations:

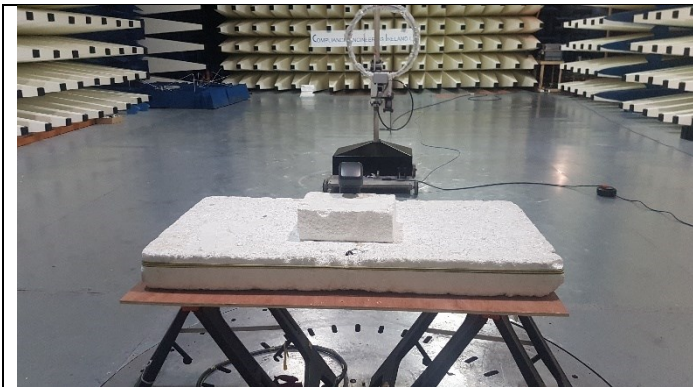


Fig F1 Spurious Emissions 9KHz -30MHz 3 metres

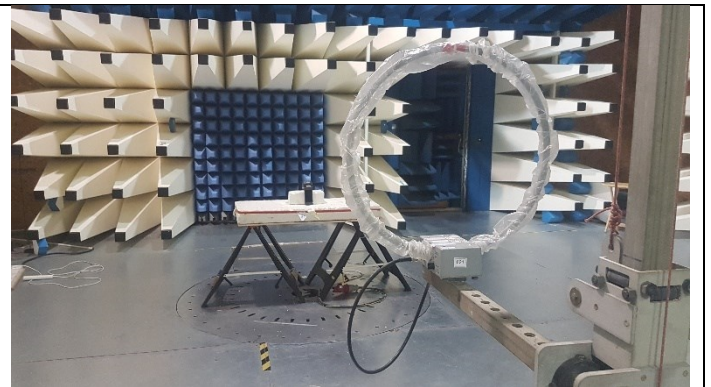


Fig F2 Spurious Emissions 9KHz -30MHz 3 metres



Fig F3 Spurious Emissions 30MHz-300MHz 3 metres

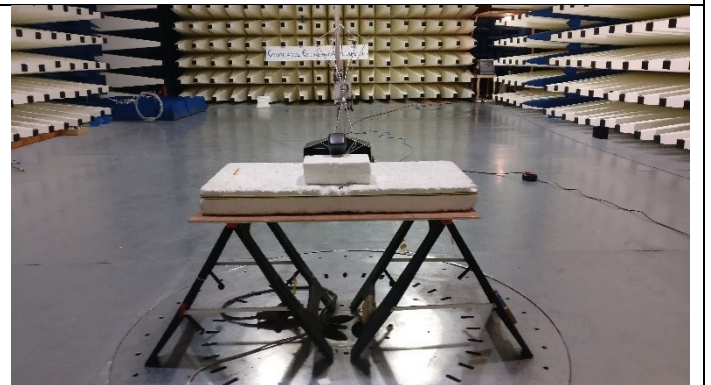


Fig F4 Spurious Emissions 30MHz-300MHz 3 metres

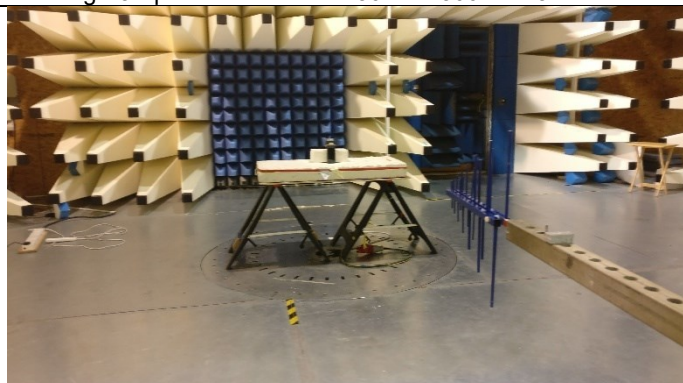


Fig F5 Radiated Emissions 300MHz-1GHz 3metres



Fig F6 Radiated Emissions 300MHz-1GHz 3metres

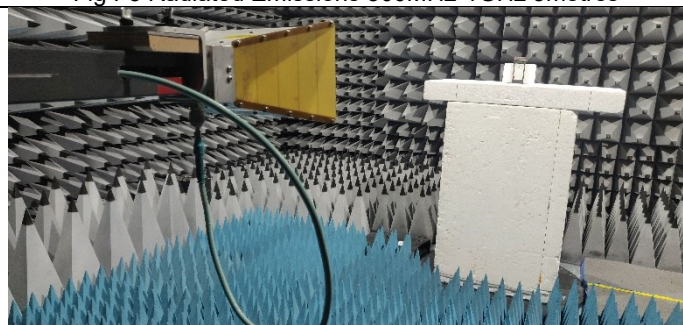


Fig F7 Radiated Emissions 1GHz-18GHz 3metres



Fig F8 Radiated Emissions 18GHz-26.5GHz 3metres

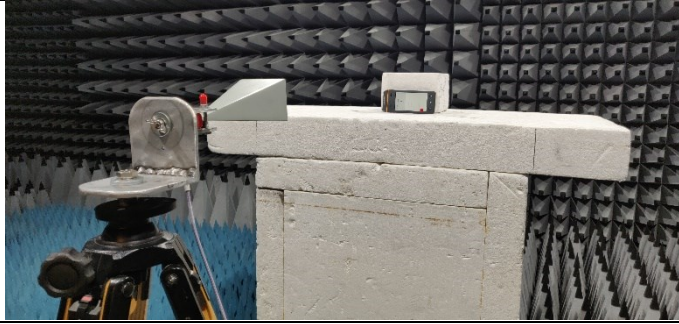


Fig F9 Radiated Emissions 26.5GHz-40GHz 1 metre



Fig F10 Conducted Emissions on the mains

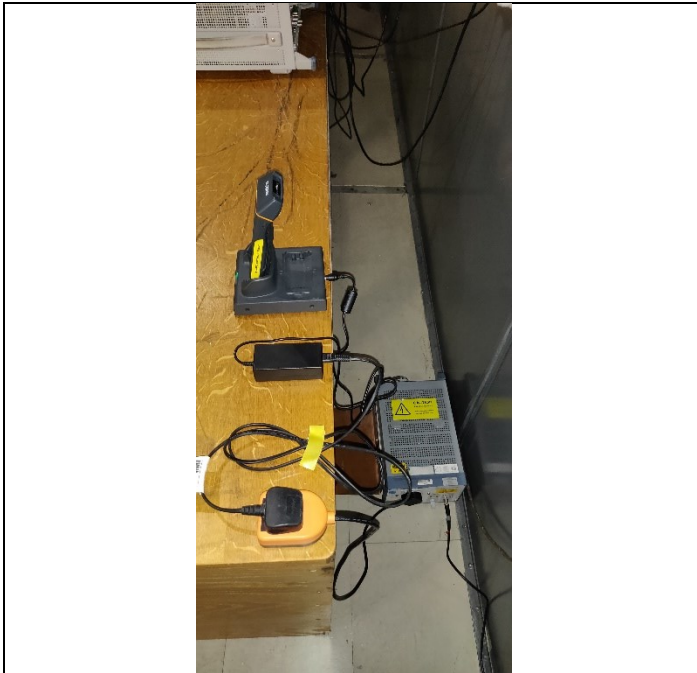


Fig F11 Conducted Emissions on the mains



Fig C5 EUT orientation "O1"



Fig C6 EUT orientation "O2"



Fig C7 EUT orientation "O3"

Orientations for Radiated Emissions

Appendix F Block Diagrams of Test Setup:

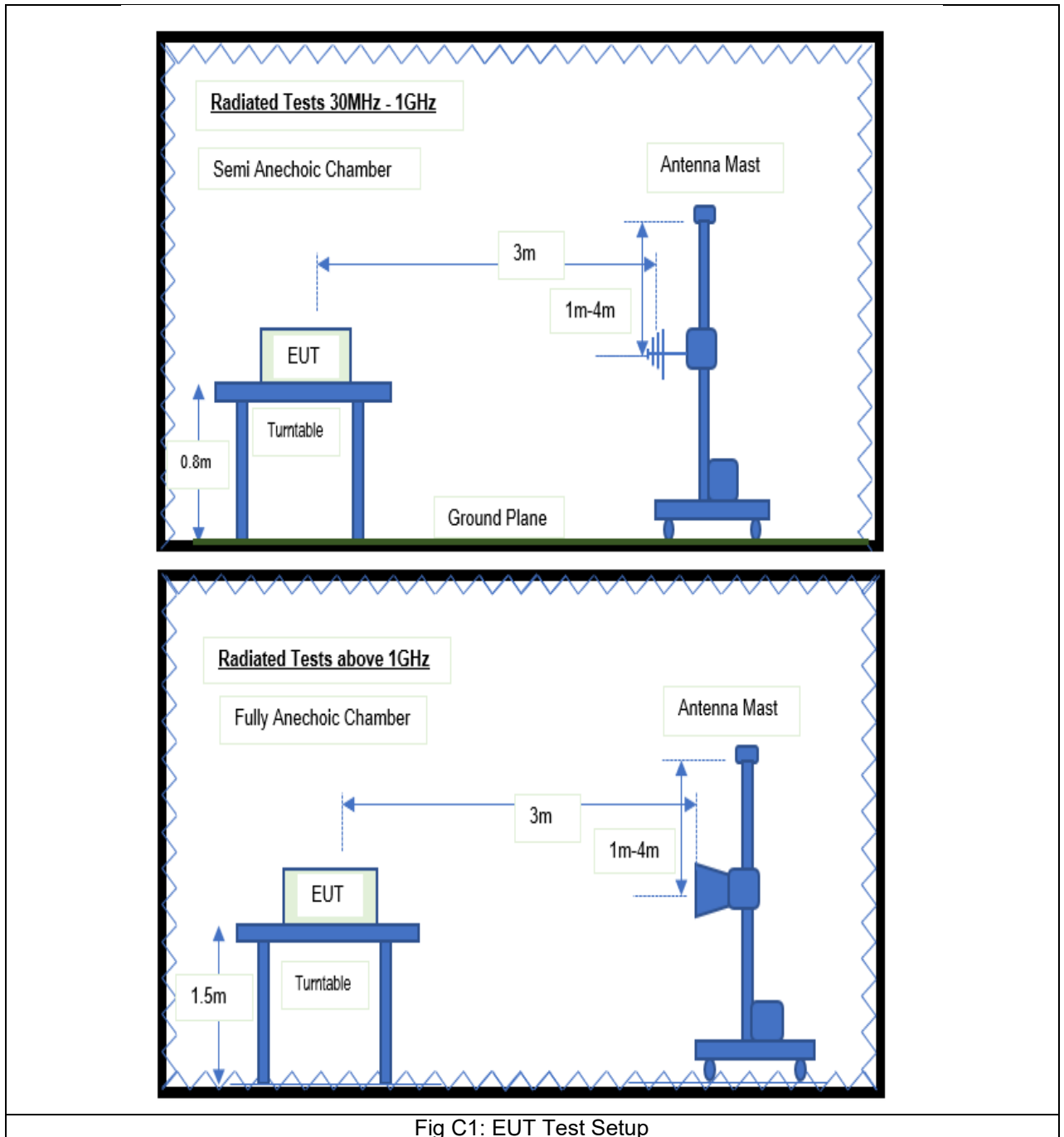


Fig C1: EUT Test Setup

End of Report