FCC and ISED Test Report

Manufacturer: Magicard Ltd
Model: P6000 Laminator Accessory Module

In accordance with FCC 47 CFR Part 15B and ICES-003

Prepared for: Magicard Ltd
Waverley House, Hampshire Road
Weymouth
DT4 9XD

ISED ID: 23549 - P6000LB
FCC ID: XDWP6000LB

COMMERCIAL-IN-CONFIDENCE

Document 75965747-08 Issue 02

SIGNATURE			
A.J. Lawson			
NAME	**JOB TITLE**	**RESPONSIBLE FOR**	**ISSUE DATE**
Andrew Lawson	Chief Engineer, EMC	Authorised Signatory	04 August 2026

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD document control rules.

ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate limited compliance with FCC 47 CFR Part 15B and ICES-003. The sample tested was found to comply with the requirements defined in the applied rules.

RESPONSIBLE FOR	NAME	DATE	SIGNATURE
Testing	Christopher Thompson	04 August 2026	C Thompson
	Sreemon Jayachandran Nair	04 August 2026	
	Callum Pennells	04 August 2026	C Pennells

FCC Accreditation
492497/UK2010 Octagon House, Fareham Test Laboratory

ISED Accreditation
12669A/UK0003 Octagon House, Fareham Test Laboratory

EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with FCC 47 CFR Part 15B and ICES-003: 2024 and Issue 7: 2020 for the tests detailed in section 1.3.

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Contents

1 Report Summary

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
01	First Issue	18-May-2026
02	Updated FCC and ISED ID and model name, and Hardware version	04-Aug-2026

Table 1

1.2 Introduction

Applicant	Magicard Ltd
Manufacturer	Magicard Ltd
Model Number(s)	P6000 Laminator Accessory Module
Serial Number(s)	25112025.000.0_11.Y7054995
Hardware Version(s)	P6000 Laminator Accessory Module
Software Version(s)	0.13
Number of Samples Tested	1
Test Specification/Issue/Date	FCC 47 CFR Part 15B and ICES-003: 2024 and Issue 7: 2020
Order Number	15526
Date	09-September-2025
Date of Receipt of EUT	01-December-2025
Start of Test	03-December-2025
Finish of Test	11-December-2025
Name of Engineer(s)	Christopher Thompson Sreemon Jayachandran Nair Callum Pennells
Related Document(s)	ANSI C63.4: 2014

1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 15B, and ICES-003 is shown below.

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuration and Mode: AC Powered - Full Representative Operation - Transmitters Off				
2.3	15.107 and 3.2.1	Conducted Emissions, AC Power Port	Pass	ANSI C63.4: 2014
Configuration and Mode: AC Powered - Operating Idle				
2.1	15.109 and 3.2.2	Radiated Emissions	Pass	ANSI C63.4: 2014
2.2	15.109 and 3.2.2	Radiated Magnetic Emissions	Pass	ANSI C63.4: 2014

Table 2

1.4 Declaration of Build Status

MAIN EUT				
MANUFACTURING DESCRIPTION	ID Card Laminator			
MANUFACTURER	Magicard Ltd.			
MODEL	P6000-LAM-UK			
MANUFACTURER DECLARED VARIANTS (IF APPLICABLE)	Magicard P6000, Laminator Accessory Module, EU 5060589239784 Magicard P6000, Laminator Accessory Module, UK 5060589239814 Magicard P6000, Laminator Accessory Module, APAC 5060589239845 Magicard P6000, Laminator Accessory Module, BNA 5060589239876 *Model P6000-LAM-UK was tested as a representative worst-case scenario for the product family. The results in this test report are for this model specifically. The results from this model have been declared by the manufacturer as representative of the entire product family (manufacturer declared variants). See the model nomenclature and legend for the models in the product family below:* *Model Nomenclature: P6000-LAM followed by up to three characters.* *Model Legend:* *P6000-LAM = Laminator Accessory* *Last three characters = Region it's sold (i.e. EU = Europe, UK = UK, ROW = APAC countries, BNA = Central & South America, Caribbean)*			
PART NUMBER	P6000-LAM-UK 5060589239814 (laminator)			
SERIAL NUMBER (S/N)	25112025.002.0_11.Y7054995			
HARDWARE VERSION	Rev 5			
SOFTWARE VERSION	0.13			
PSU VOLTAGE/FREQUENCY/CURRENT	IN:100-240VAC 50/60Hz 1.5A OUT:24VDC 4.17A 100W			
Intended Operating Environment	Office			
Dimensions/Weight	One unit (1 laminator) 36x37x17 cm est. weight 2.9kg. Combined size with aux. printer is 36X74x17 cm			
Typical Installation	Atop a desk or table			
HIGHEST INTERNALLY GENERATED FREQUENCY	120MHz			
FCC ID (if applicable)	XDWP6000LB			
INDUSTRY CANADA ID (if applicable)	23549 - P6000LB			
COUNTRY OF ORIGIN	Malaysia			
RF CHARACTERISTICS (if applicable)				
TRANSMITTER FREQUENCY OPERATING RANGE (MHz)	Unapproved RFID module (13.56MHz)			
RECEIVER FREQUENCY OPERATING RANGE (MHz)	unapproved RFID module (13.56MHz)			
INTERMEDIATE FREQUENCIES				
EMISSION DESIGNATOR(S): https://fccid.io/Emissions-Designator/	unapproved RFID module (?)			
MODULATION TYPES: (i.e. GMSK, QPSK)	unapproved RFID module (ASK)			
OUTPUT POWER (W or dBm)	unapproved RFID module (60.18 dBµV/m @3m)			
SEPARATE BATTERY/POWER SUPPLY (if applicable)				
MANUFACTURING DESCRIPTION	KPN100M-VI			
MANUFACTUR	CHANNEL WELL TECHNOLOGY			
TYPE	Adapter			
PART NUMBER	KPN100M-VI			
PSU VOLTAGE/FREQUENCY/CURRENT	IN:100-240VAC 50/60Hz 1.5A OUT:24VDC 4.17A 100W			
COUNTRY OF ORIGIN	China			
MODULES (if applicable)				
MANUFACTURING DESCRIPTION				
MANUFACTURER				

TYPE				
POWER				
FCC ID				
INDUSTRY CANADA ID				
EMISSION DESIGNATOR				
DHSS/FHSS/COMBINED OR OTHER				
COUNTRY OF ORIGIN				

I hereby declare that the information supplied is correct and complete.

Name: Emile Campbell-Browne
Position held: Electronic Engineer
Date: 08/01/2026

Note: No responsibility will be accepted by TÜV SÜD as to the accuracy of the information declared on this Build State Declaration by the manufacturer.

1.5 Product Information

1.5.1 Technical Description

The Equipment under test (EUT) was a Magicard Laminator, Model:P6000-LAM-UK.

The primary function of the EUT is to Laminate plastic ID cards.

Additionally, it has the function to read specific RFiD tags.

Figure 1 – Front View

Figure 2 – Rear View

Figure 3 – Side View

1.5.2 EUT Port/Cable Identification

Port	Max Cable Length specified	Usage	Type	Screened
Configuration and Mode: AC Powered - Full Representative Operation - Transmitters Off				
AC Power Port	3 m	Power	AC to DC Power Adapter	No
USB Port 1	2 m	Data	Type-C to USB 2.0	No
USB Port 2	2 m	Data	Type-C to USB 2.0	No

Table 3

1.5.3 Test Configuration

Configuration	Description
AC Powered	The EUT was powered from a 115 V 60 Hz AC mains supply. The EUT had the following connections made: • USB Port 1 terminated to a Magicard printer. • USB Port 2 terminated to a support laptop

Table 4

1.5.4 Modes of Operation

Mode	Description
Full Representative Operation	The EUT was fully operational simulating the lamination process for ID Cards. The EUTs RFiD reader was continuously reading a tag.

Table 5

1.6 Deviations from the Standard

No deviations from the applicable test standard were made during testing.

1.7 EUT Modification Record

The table below details modifications made to the EUT during the test programme.

The modifications incorporated during each test are recorded on the appropriate test pages.

Modification State	Description of Modification still fitted to EUT	Modification Fitted By	Date Modification Fitted
Model: P6000-LAM-UK, Serial Number: 25112025.000.0_11.Y7054995			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 6

1.8 Test Location

TÜV SÜD conducted the following tests at our Octagon House Test Laboratory.

Test Name	Name of Engineer(s)	Accreditation
Configuration and Mode: AC Powered - Full Representative Operation		
Conducted Emissions, AC Power Port	Christopher Thompson	UKAS
Radiated Emissions	Christopher Thompson and Sreemon Jayachandran Nair	UKAS
Radiated Magnetic Emissions	Callum Pennells	UKAS

Table 7

Office Address:

TÜV SÜD
Octagon House
Concorde Way
Fareham
Hampshire
PO15 5RL
United Kingdom

2 Test Details

2.1 Radiated Emissions

2.1.1 Specification Reference

FCC 47 CFR Part 15B and ICES-003, Clause 15.109 and 3.2.2

2.1.2 Equipment Under Test and Modification State

P6000-LAM-UK, S/N: 25112025.000.0_11.Y7054995 - Modification State 0

2.1.3 Date of Test

04-December-2025

2.1.4 Test Method

The EUT was set up in a semi-anechoic chamber in the centre of a remotely controlled turntable and placed on a non-conductive table 0.8 m above a reference ground plane.

A Peak detector pre-scan of the EUT emissions profile was measured across the appropriate frequency range while varying the antenna-to-EUT azimuth and polarisation. Measurements were made using a 3 m distance between the declared antenna measurement point and the EUT.

Where all pre-scan peak emissions measured were greater than 20 dB below the test limit, no final measurements were made in accordance with ANSI C63.4.

Where any pre-scan peak emissions were within 20 dB of the test limit, the six highest pre-scan peak emissions seen across the frequency range were maximised by adjusting antenna height, polarisation and angle and then measured for at least 15 seconds using a Peak, Quasi-Peak or CISPR Average detector as appropriate to the test limit being measured against.

2.1.5 Example Calculation

Below 1 GHz:

Quasi-Peak level (dBµV/m) = Receiver level (dBµV) + Correction Factor (dB/m)
Margin (dB) = Quasi-Peak level (dBµV/m) - Limit (dBµV/m)

Above 1 GHz:

CISPR Average level (dBµV/m) = Receiver level (dBµV) + Correction Factor (dB/m)
Margin (dB) = CISPR Average level (dBµV/m) - Limit (dBµV/m)

Peak level (dBµV/m) = Receiver level (dBµV) + Correction Factor (dB/m)
Margin (dB) = Peak level (dBµV/m) - Limit (dBµV/m)

2.1.6 Example Test Setup Diagram

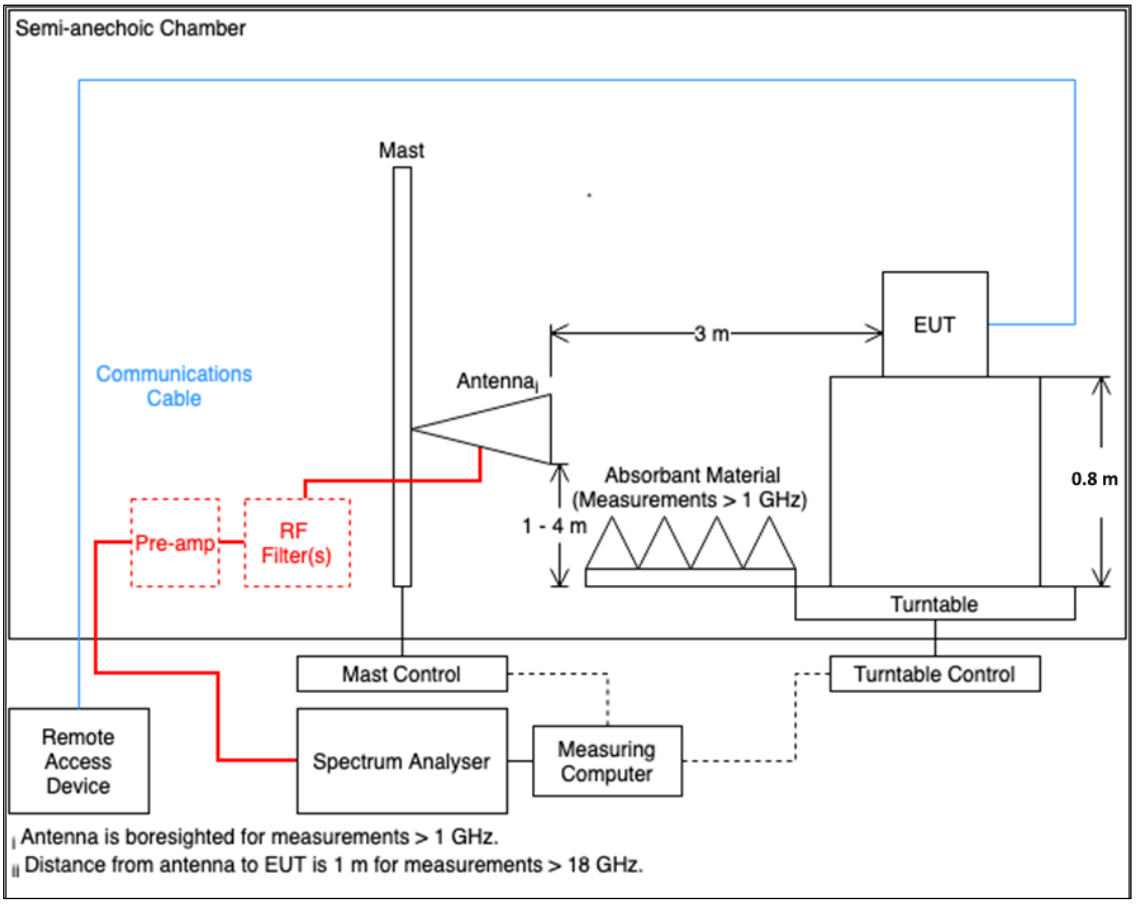

Figure 4 - Radiated Emissions Example Test Setup

2.1.7 Environmental Conditions

Ambient Temperature	22.7 °C
Relative Humidity	39.9 %
Atmospheric Pressure	993.0 mbar

2.1.8 Specification Limits

Required Specification Limits, Field Strength - Class A Test Limit at a 10 m Measurement Distance		
Frequency Range (MHz)	Test Limit (µV/m)	Test Limit (dBµV/m)
30 to 88	90	39.1
88 to 216	150	43.5
216 to 960	210	46.4
Above 960	300	49.5
Supplementary information: Note 1. A Quasi-Peak detector is to be used for measurements below 1 GHz. Note 2. A CISPR Average detector is to be used for measurements above 1 GHz. Note 3. The Peak test limit above 1 GHz is 20 dB higher than the CISPR Average test limit.		

Table 8

2.1.9 Test Results

Results for Configuration and Mode: AC Powered - Full Representative Operation

This test was performed to the requirements of the Class A limits.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

Highest internally generated frequency within the EUT: 2.4 GHz
Which necessitates an upper frequency test limit of: 12 GHz (Tested to 13 GHz)

Applied Supply Voltage: 115 V AC
Applied Supply Frequency: 60 Hz

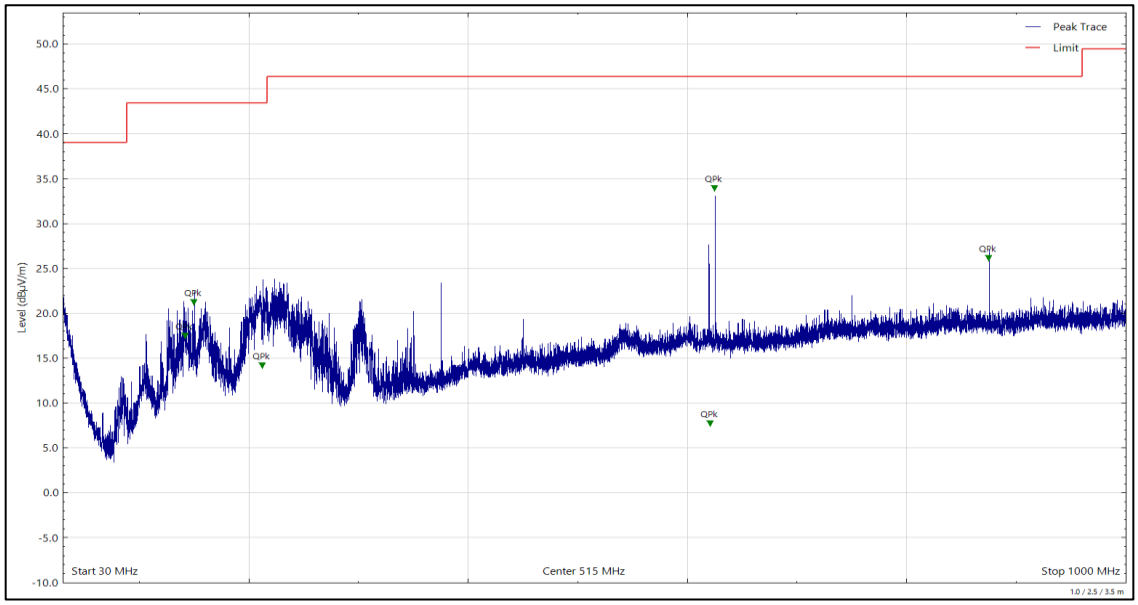

Figure 5 - 30 MHz to 1 GHz, Horizontal

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
141.721	16.95	43.50	-26.55	Q-Peak	253	240	Horizontal
150.006	20.75	43.50	-22.75	Q-Peak	360	240	Horizontal
212.123	13.64	43.50	-29.86	Q-Peak	168	244	Horizontal
620.782	7.23	46.40	-39.17	Q-Peak	244	102	Horizontal
625.039	33.42	46.40	-12.98	Q-Peak	335	125	Horizontal
875.065	25.65	46.40	-20.75	Q-Peak	350	340	Horizontal

Table 9

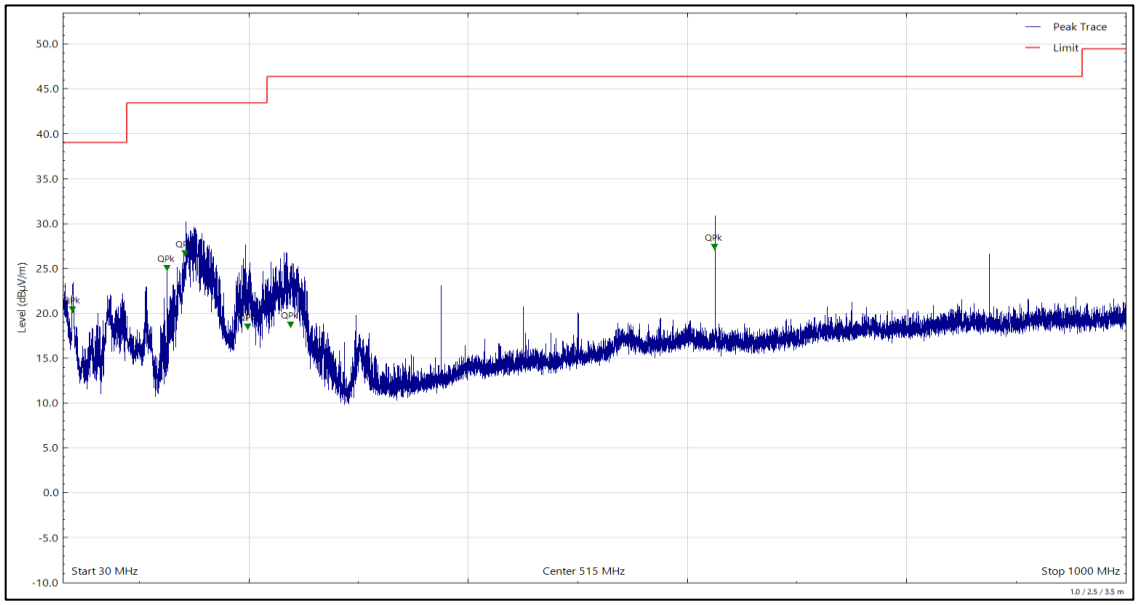

Figure 6 - 30 MHz to 1 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
39.071	19.89	39.10	-19.21	Q-Peak	286	114	Vertical
125.015	24.55	43.50	-18.95	Q-Peak	267	108	Vertical
141.720	26.12	43.50	-17.38	Q-Peak	272	105	Vertical
198.870	17.97	43.50	-25.53	Q-Peak	324	100	Vertical
237.895	18.20	46.40	-28.20	Q-Peak	287	100	Vertical
625.038	26.91	46.40	-19.49	Q-Peak	360	351	Vertical

Table 10

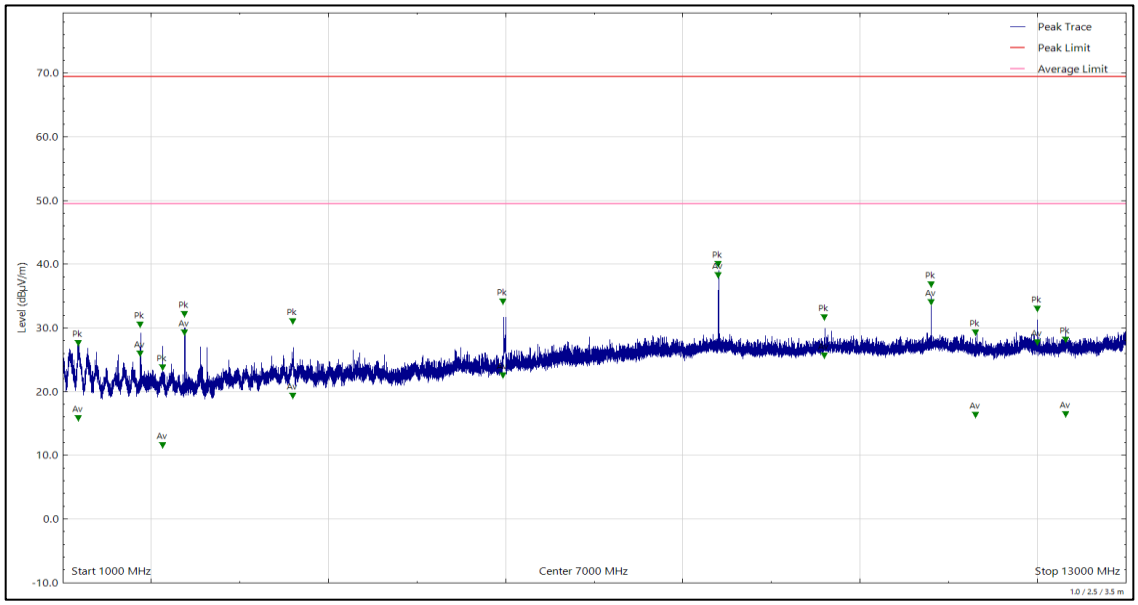

Figure 7 - 1 GHz to 13 GHz, Peak & CISPR Average, Horizontal

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1175.284	26.88	69.50	-42.62	Peak	359	240	Horizontal
1175.284	15.04	49.50	-34.46	CISPR Avg	359	240	Horizontal
1875.323	29.75	69.50	-39.75	Peak	132	187	Horizontal
1875.323	25.21	49.50	-24.29	CISPR Avg	132	187	Horizontal
2125.179	23.05	69.50	-46.45	Peak	295	325	Horizontal
2125.179	10.85	49.50	-38.65	CISPR Avg	295	325	Horizontal
2375.240	31.40	69.50	-38.10	Peak	140	109	Horizontal
2375.240	28.53	49.50	-20.97	CISPR Avg	140	109	Horizontal
3599.360	30.33	69.50	-39.17	Peak	53	183	Horizontal
3599.360	18.66	49.50	-30.84	CISPR Avg	53	183	Horizontal
5972.710	33.38	69.50	-36.12	Peak	46	240	Horizontal
5972.710	21.77	49.50	-27.73	CISPR Avg	46	240	Horizontal
8400.200	39.31	69.50	-30.19	Peak	134	110	Horizontal
8400.200	37.57	49.50	-11.93	CISPR Avg	134	110	Horizontal
9600.300	30.88	69.50	-38.62	Peak	59	100	Horizontal
9600.300	24.94	49.50	-24.56	CISPR Avg	59	100	Horizontal
10800.325	36.10	69.50	-33.40	Peak	92	100	Horizontal
10800.325	33.34	49.50	-16.16	CISPR Avg	92	100	Horizontal
11307.683	28.54	69.50	-40.96	Peak	2	325	Horizontal
11307.683	15.57	49.50	-33.93	CISPR Avg	2	325	Horizontal
12000.280	32.27	69.50	-37.23	Peak	39	110	Horizontal
12000.280	27.00	49.50	-22.50	CISPR Avg	39	110	Horizontal
12325.935	27.36	69.50	-42.14	Peak	9	250	Horizontal
12325.935	15.69	49.50	-33.81	CISPR Avg	9	250	Horizontal

Table 11

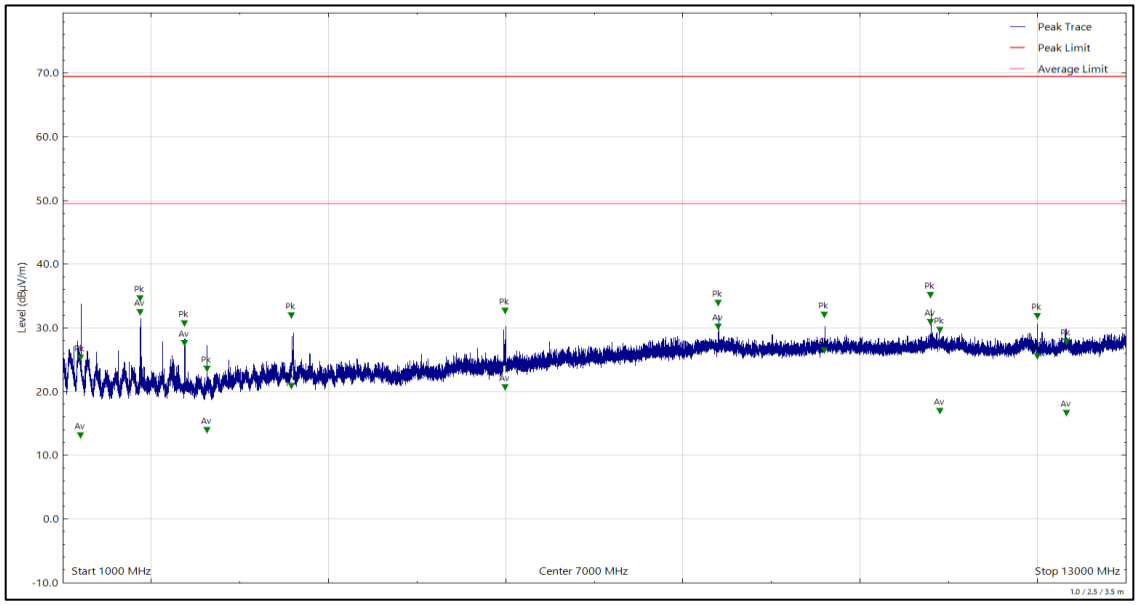

Figure 8 - 1 GHz to 13 GHz, Peak & CISPR Average, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1204.703	24.60	69.50	-44.90	Peak	333	106	Vertical
1204.703	12.40	49.50	-37.10	CISPR Avg	333	106	Vertical
1875.090	33.95	69.50	-35.55	Peak	76	165	Vertical
1875.090	31.70	49.50	-17.80	CISPR Avg	76	165	Vertical
2375.210	29.95	69.50	-39.55	Peak	90	247	Vertical
2375.210	26.87	49.50	-22.63	CISPR Avg	90	247	Vertical
2625.400	22.83	69.50	-46.67	Peak	203	268	Vertical
2625.400	13.26	49.50	-36.24	CISPR Avg	203	268	Vertical
3583.520	31.20	69.50	-38.30	Peak	69	145	Vertical
3583.520	20.12	49.50	-29.38	CISPR Avg	69	145	Vertical
5998.441	31.95	69.50	-37.55	Peak	79	100	Vertical
5998.441	19.96	49.50	-29.54	CISPR Avg	79	100	Vertical
8400.200	33.17	69.50	-36.33	Peak	123	240	Vertical
8400.200	29.44	49.50	-20.06	CISPR Avg	123	240	Vertical
9600.400	31.33	69.50	-38.17	Peak	66	105	Vertical
9600.400	25.78	49.50	-23.72	CISPR Avg	66	105	Vertical
10800.150	34.39	69.50	-35.11	Peak	81	100	Vertical
10800.150	30.15	49.50	-19.35	CISPR Avg	81	100	Vertical
10903.015	28.94	69.50	-40.56	Peak	74	306	Vertical
10903.015	16.25	49.50	-33.25	CISPR Avg	74	306	Vertical
12000.600	31.09	69.50	-38.41	Peak	97	100	Vertical
12000.600	24.80	49.50	-24.70	CISPR Avg	97	100	Vertical
12331.513	27.14	69.50	-42.36	Peak	341	398	Vertical
12331.513	15.92	49.50	-33.58	CISPR Avg	341	398	Vertical

Table 12

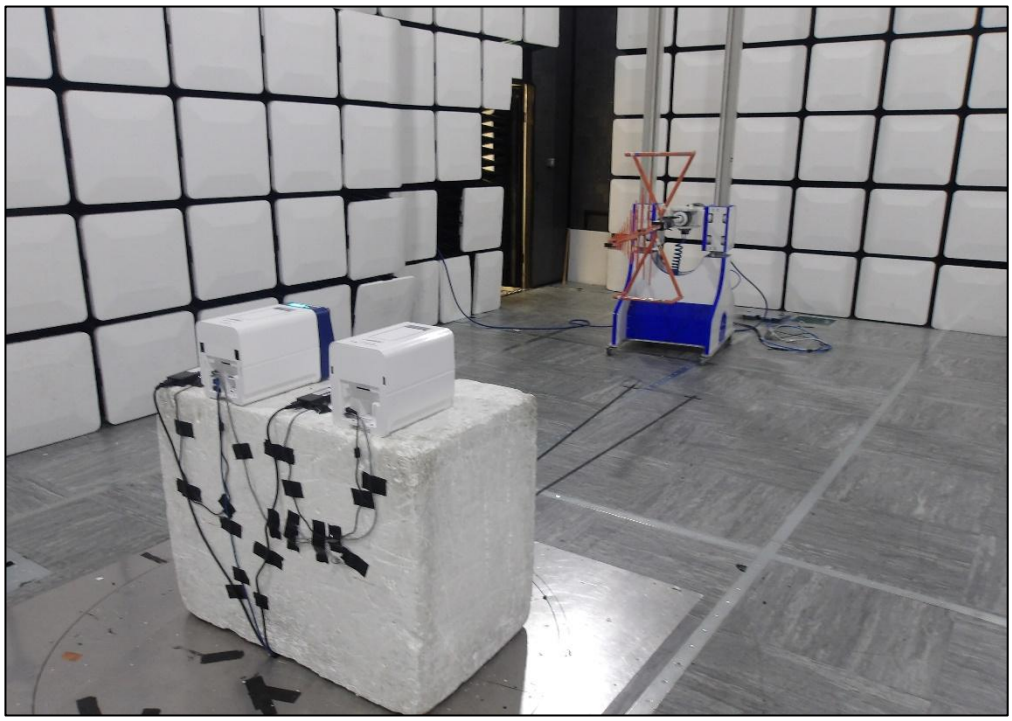

Figure 9 - Test Setup – 30 MHz to 1 GHz

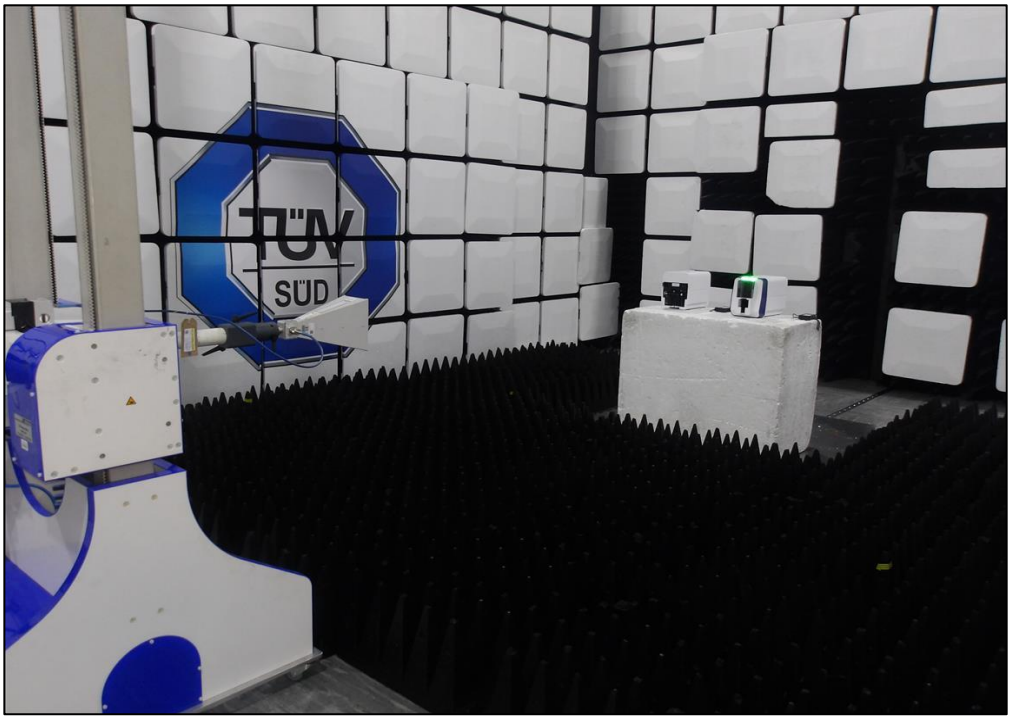

Figure 10 - Test Setup - 1 GHz to 13 GHz

2.1.10 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 12.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
3m Semi-Anechoic Chamber	MVG	EMC Chamber 12	5621	36	07-Aug-2026
Emissions Software	TUV SUD	EmX V3.5.5	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5382	12	09-Oct-2026
Turntable & Mast Controller	Maturo Gmbh	NCD/498/2799.01	5612	-	TU
Tilt Antenna Mast	Maturo Gmbh	TAM 4.0-P	5613	-	TU
3.5 mm 1m Cable	Junkosha	MWX221-01000DMS	5419	12	15-Aug-2026
Cable (2.92 mm(f)-N(m), 2 m)	Junkosha	MWX241-02000KFSNMS/B	6965	6	14-Feb-2026
Cable (N-Type to N-Type, 8 m)	Junkosha	MWX221-08000NMSNMS/B	7054	12	01-Jun-2026
Pre-Amplifier (1 GHz to 18 GHz)	Schwarzbeck	BBV 9718 C	5350	12	16-Dec-2025
Antenna (Bilog with attenuator, 30 MHz to 3 GHz)	Schaffner	CBL6143	287	24	29-Aug-2026
Antenna (DRG, 1 GHz to 10.5 GHz)	Schwarzbeck	BBHA9120B	5611	12	14-Sep-2026
Antenna (DRG, 7.5 GHz to 18 GHz)	Schwarzbeck	HWRD750	5216	12	12-Jul-2026

Table 13

TU - Traceability Unscheduled

2.2 Radiated Magnetic Emissions

2.2.1 Specification Reference

FCC 47 CFR Part 15B and ICES-003, Clause 15.109 and 3.2.2

2.2.2 Equipment Under Test and Modification State

P6000-LAM-UK, S/N: 25112025.000.0_11.Y7054995 - Modification State 0

2.2.3 Date of Test

11-December-2025

2.2.4 Test Method

The EUT was set up on a non-conductive table 0.8 m above a reference ground plane within a semi-anechoic chamber on a remotely controlled turntable.

A pre-scan of the EUT emissions profile using a peak detector was made at a 3 m antenna distance whilst varying the antenna-to-EUT azimuth and polarisation.

For an EUT which could reasonable be used in multiple planes, pre-scans were performed with the EUT orientated in X, Y and Z planes with reference to the ground plane.

Using a list of the highest emissions detected during the pre-scan along with their bearing and associated antenna polarisation, the EUT was then formally measured using a Quasi-Peak, Peak or CISPR Average detector as appropriate.

The readings were maximised by adjusting the antenna polarisation and turntable azimuth, in accordance with the specification.

Where all pre-scan peak emissions measured were greater than 20 dB below the test limit, no final measurements were made in accordance with ANSI C63.4.

Where any pre-scan peak emissions were within 20 dB of the test limit, the six highest pre-scan peak emissions seen across the frequency range were maximised by adjusting antenna height, polarisation and angle and then measured for at least 15 seconds using a Peak, Quasi-Peak or CISPR Average detector as appropriate to the test limit being measured against.

2.2.5 Example Calculation

9 kHz to 30 MHz:

Quasi-Peak level (dBµV/m) = Receiver level (dBµV) + Correction Factor (dB/m)
Margin (dB) = Quasi-Peak level (dBµV/m) - Limit (dBµV/m)

2.2.6 Example Test Setup Diagram

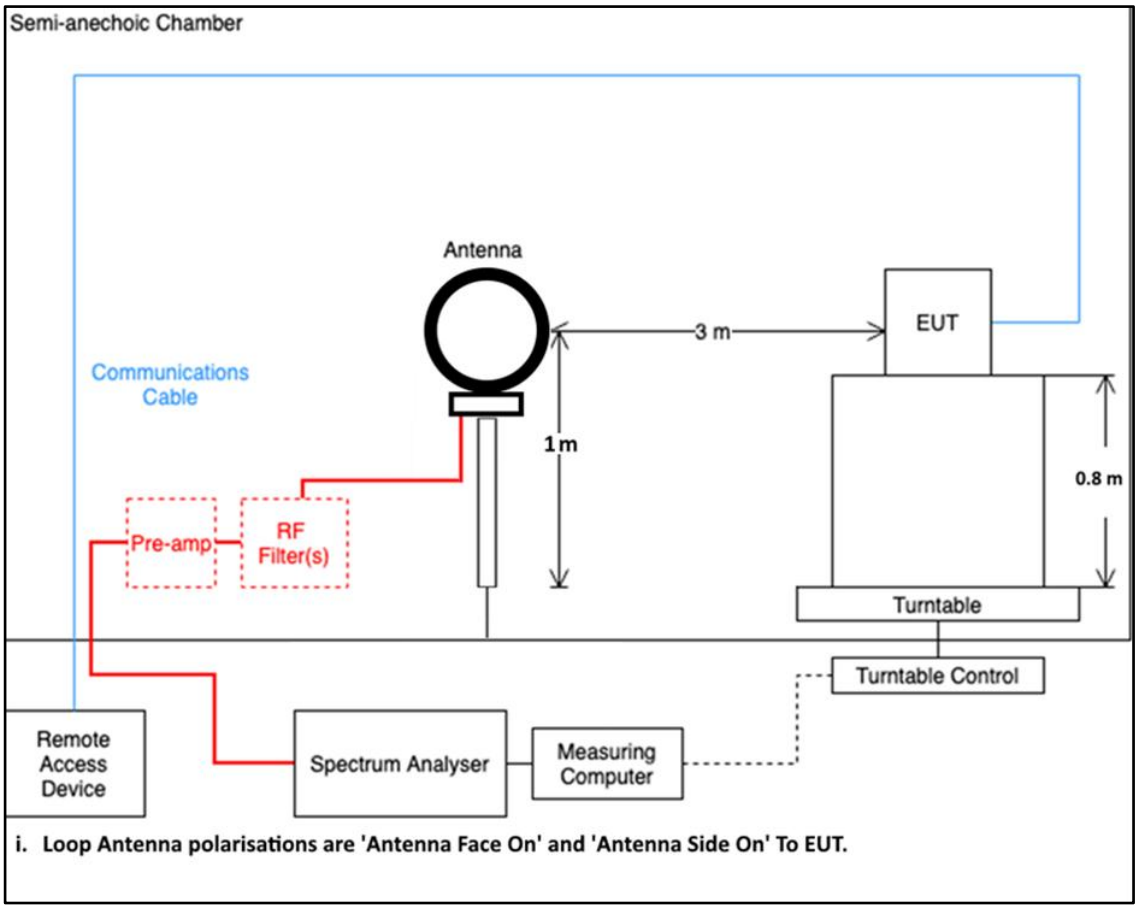

Figure 11 - Radiated Magnetic Emissions Example Test Setup

2.2.7 Environmental Conditions

Ambient Temperature	19.8 °C
Relative Humidity	54.2 %
Atmospheric Pressure	1006.0 mbar

2.2.8 Specification Limits

Required Specification Limits, Magnetic Field Strength - FCC CFR 15.209 at a 3 m Measurement Distance					
Frequency (MHz)	Test Limit (µV/m)	Test Limit (dBµV/m)	Antenna Distance (m)	Correction For 3 m Antenna Distance (dB)	Quasi-Peak Test Limit At 3 m (dBµV/m)
0.009	266.67	48.52	300.00	120.00(1)	168.52
0.49	4.90	13.80	300.00	120.00(1)	133.80
0.49	4.90	13.80	30.00	40.00(2)	73.80
1.705	1.41	2.97	30.00	40.00(2)	62.97
1.705	30.00	29.54	30.00	40.00(2)	69.54
30	30.00	29.54	30.00	40.00(2)	69.54
Supplementary information: Note 1. Antenna Distance correction of 60 dB per decade in accordance with ANSI C63.10 Clause 7.7.2. Note 2. Antenna Distance correction of 40 dB per decade in accordance with ANSI C63.10 Clause 7.7.2.					

Table 14

2.2.9 Test Results

Results for Configuration and Mode: AC Powered - Full Representative Operation.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

Applied Supply Voltage: 115 V AC
Applied Supply Frequency: 60 Hz

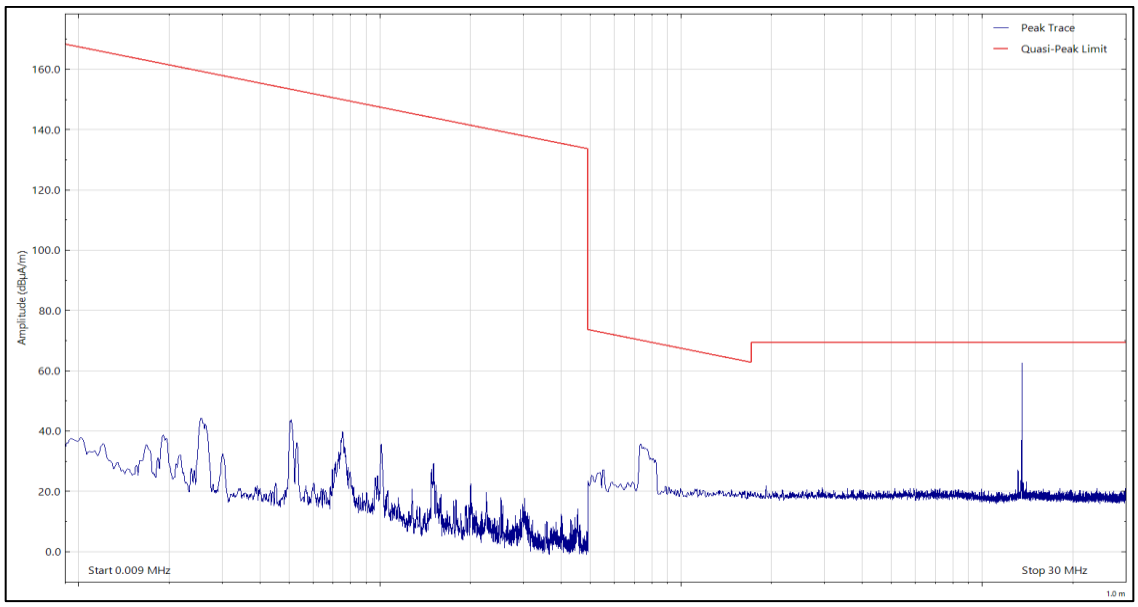

Figure 12 - 9 kHz to 30 MHz, Quasi-Peak, Face On

No final measurements were made as all peak emissions seen during the pre-scan were greater than 20 dB below the test limit.

The emission seen at 13.56 MHz is an intentional transmitter and is therefore not subject to the test limit line

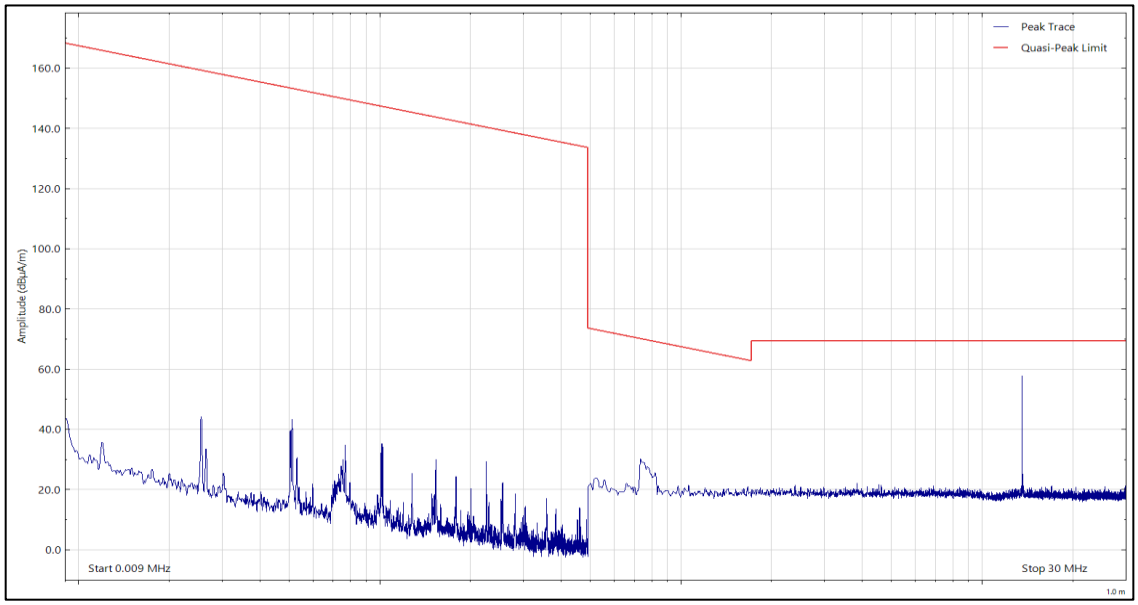

Figure 13 - 9 kHz to 30 MHz, Quasi-Peak, Side On

No final measurements were made as all peak emissions seen during the pre-scan were greater than 20 dB below the test limit.

The emission seen at 13.56 MHz is an intentional transmitters and is therefore not subject to the test limit line.

Figure 14 - Test Setup - 9 kHz to 30 MHz

2.2.10 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 12.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
3m Semi-Anechoic Chamber	MVG	EMC Chamber 12	5621	36	07-Aug-2026
Emissions Software	TUV SUD	EmX V3.5.5	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5382	12	09-Oct-2026
Turntable & Mast Controller	Maturo Gmbh	NCD/498/2799.01	5612	-	TU
Cable (2.92 mm(f)-N(m), 2 m)	Junkosha	MWX241-02000KFSNMS/B	6965	6	14-Feb-2026
Cable (N-Type to N-Type, 8 m)	Junkosha	MWX221-08000NMSNMS/B	7054	12	01-Jun-2026
Antenna (Loop, 9 kHz to 30 MHz)	Teseq	HLA 6121	5616	24	16-Aug-2026
Power Injector	Teseq	PI 6121	5620	24	16-Aug-2026

Table 15

TU - Traceability Unscheduled

2.3 Conducted Emissions, AC Power Port

2.3.1 Specification Reference

FCC 47 CFR Part 15B and ICES-003, Clause 15.107 and 3.2.1

2.3.2 Equipment Under Test and Modification State

P6000-LAM-UK, S/N: 25112025.000.0_11.Y7054995 - Modification State 0

2.3.3 Date of Test

03-December-2025

2.3.4 Test Method

The EUT was setup according to ANSI C63.4, clause 5.2.

The EUT was placed on a non-conductive table 0.8 m above a reference ground plane. A vertical coupling plane was placed 0.4 m from the EUT boundary.

A Line Impedance Stabilisation Network (LISN) was directly bonded to the ground-plane. The EUT was located so that the distance between the boundary of the EUT and the closest surface of the LISN was 0.8 m.

Interconnecting cables that hanged closer than 0.4 m to the ground plane were folded back and forth in the centre forming a bundle 0.3 m to 0.4 m long.

Input and output cables were terminated with equipment or loads representative of real usage conditions.

The EUT was configured to give the highest level of emissions within reason of a typical installation as described by the manufacturer.

A Peak detector pre-scan of the EUT emissions profile was measured across the appropriate frequency range.

Where all pre-scan peak emissions measured were greater than 20 dB below the CISPR Average test limit, no final measurements were made in accordance with ANSI C63.4.

Where any pre-scan peak emissions were within 20 dB of the CISPR Average test limit, the six highest pre-scan emissions seen across the frequency range were measured for at least 15 seconds using a Peak, Quasi-Peak or CISPR Average detector as appropriate to the test limit being measured against.

2.3.5 Example Calculation

Quasi-Peak level (dBµV) = Receiver level (dBµV) + Correction Factor (dB)
Margin (dB) = Quasi-Peak level (dBµV) - Limit (dBµV)

CISPR Average level (dBµV) = Receiver level (dBµV) + Correction Factor (dB)
Margin (dB) = CISPR Average level (dBµV) - Limit (dBµV)

2.3.6 Example Test Setup Diagram

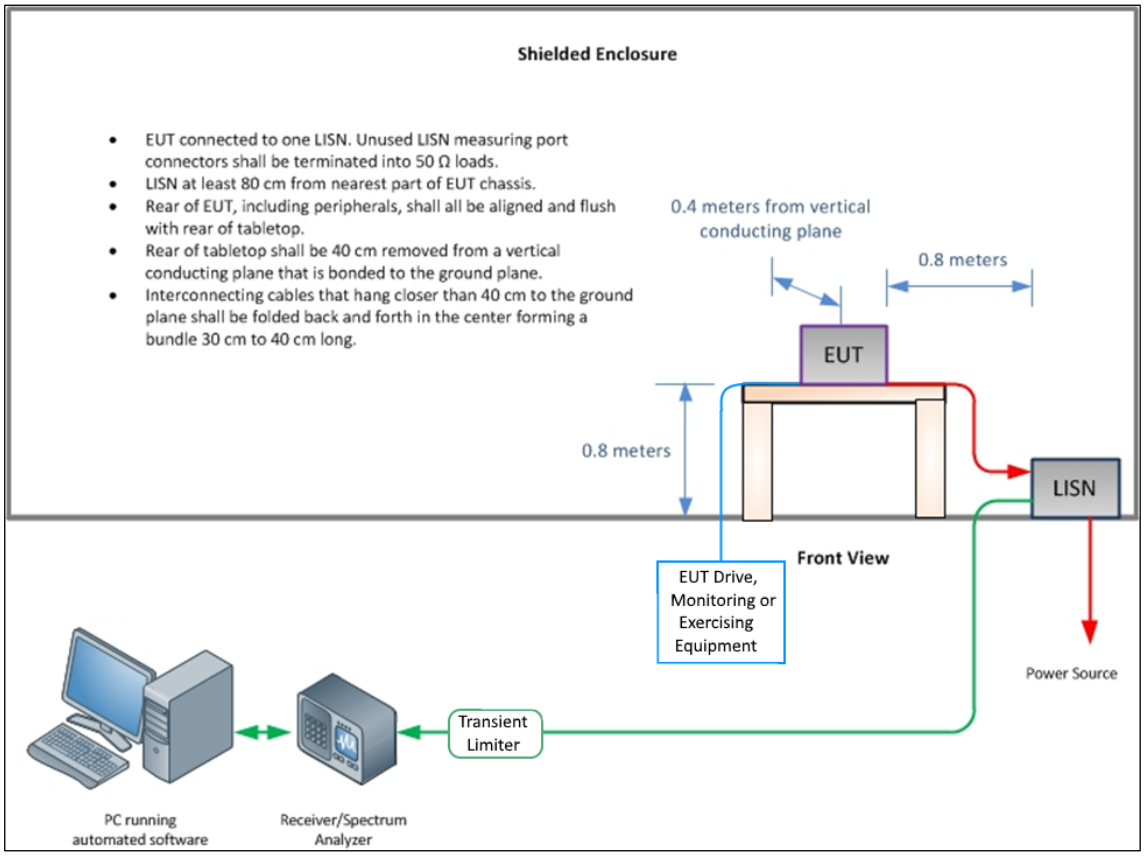

Figure 15 - Conducted Emissions Example Test Setup

2.3.7 Environmental Conditions

Ambient Temperature	21.6 °C
Relative Humidity	39.6 %
Atmospheric Pressure	1006.0 mbar

2.3.8 Specification Limits

Required Specification Limits - Class A			
Line Under Test	Frequency Range (MHz)	Quasi-Peak Test Limit (dBµV)	CISPR Average Test Limit (dBµV)
AC Power Port	0.15 to 0.5	79	66
	0.5 to 30	73	60
Supplementary information: None			

Table 16

2.3.9 Test Results

Results for Configuration and Mode: AC Powered - Full Representative Operation

This test was performed to the requirements of the Class A limits.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

Applied Supply Voltage: 115 V AC
Applied Supply Frequency: 60 Hz

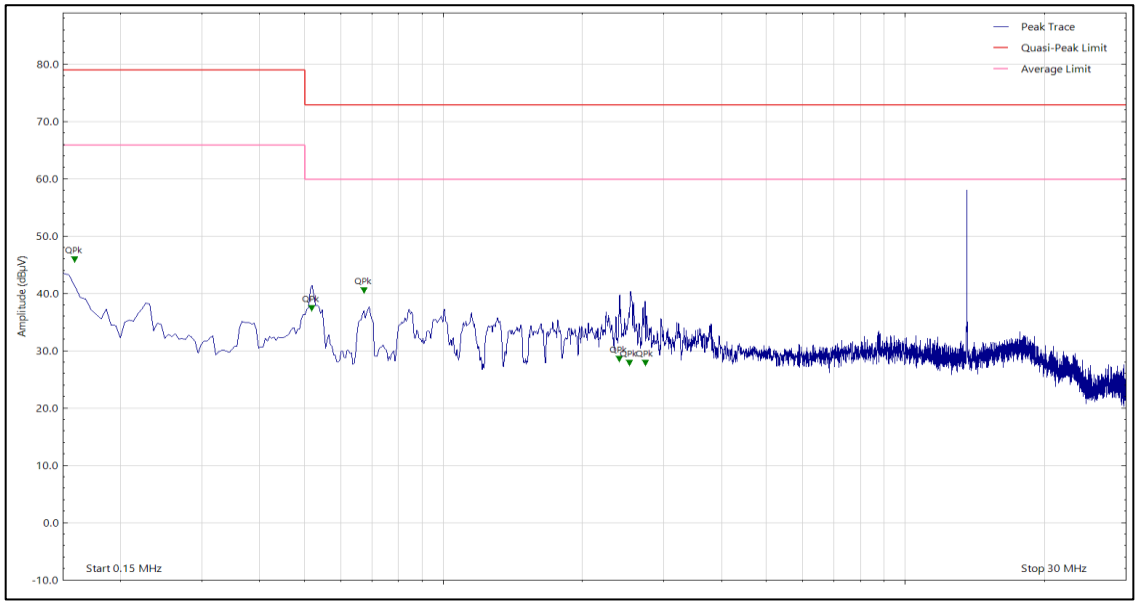

Figure 16 - Graphical Results – AC Power Port – Live Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.159	45.15	79.00	-33.85	Q-Peak
0.159	21.91	66.00	-44.09	CISPR Avg
0.519	36.60	73.00	-36.40	Q-Peak
0.519	31.72	60.00	-28.28	CISPR Avg
0.674	39.71	73.00	-33.29	Q-Peak
0.674	18.78	60.00	-41.22	CISPR Avg
2.403	27.73	73.00	-45.27	Q-Peak
2.403	15.74	60.00	-44.26	CISPR Avg
2.527	27.08	73.00	-45.92	Q-Peak
2.527	15.77	60.00	-44.23	CISPR Avg
2.735	27.03	73.00	-45.97	Q-Peak
2.735	19.26	60.00	-40.74	CISPR Avg

Table 17

The emission seen at 13.56 MHz is an intentional transmitter and therefore is not subject to the test limit line.

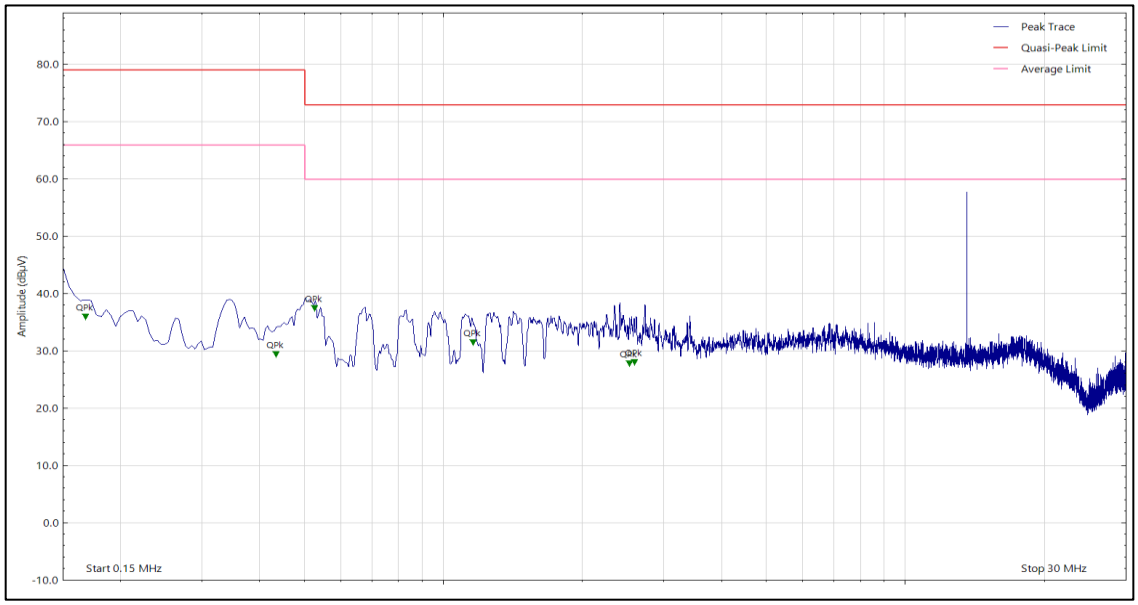

Figure 17 - Graphical Results – AC Power Port – Neutral Line

Frequency (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
0.168	35.15	79.00	-43.85	Q-Peak
0.168	21.49	66.00	-44.51	CISPR Avg
0.434	28.60	79.00	-50.40	Q-Peak
0.434	10.27	66.00	-55.73	CISPR Avg
0.527	36.61	73.00	-36.39	Q-Peak
0.527	21.57	60.00	-38.43	CISPR Avg
1.162	30.70	73.00	-42.30	Q-Peak
1.162	18.98	60.00	-41.02	CISPR Avg
2.531	26.93	73.00	-46.07	Q-Peak
2.531	15.91	60.00	-44.09	CISPR Avg
2.592	27.21	73.00	-45.79	Q-Peak
2.592	20.74	60.00	-39.26	CISPR Avg

Table 18

The emission seen at 13.56 MHz is an intentional transmitter and therefore is not subject to the test limit line.

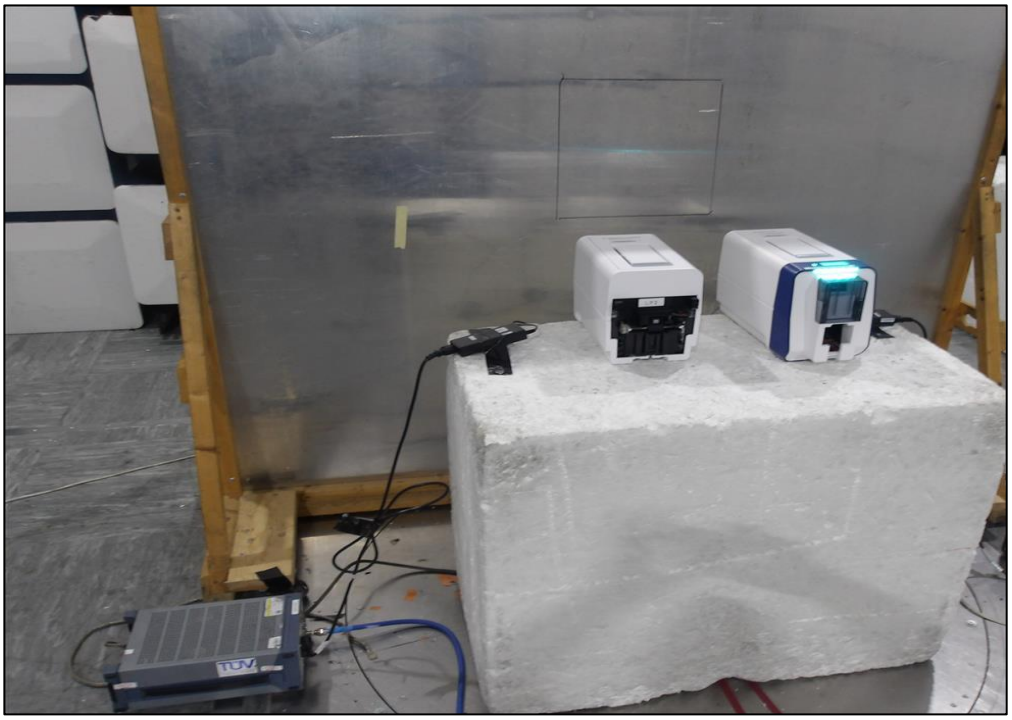

Figure 18 - Test Setup

2.3.10 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 12.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Emissions Software	TUV SUD	EmX V3.5.5	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5382	12	09-Oct-2026
Transient Limiter	Hewlett Packard	11947A	1032	12	16-Jan-2026
Cable (2.92 mm(f)-N(m), 2 m)	Junkosha	MWX241-02000KFSNMS/B	6965	6	14-Feb-2026
Cable (N-Type to N-Type, 8 m)	Junkosha	MWX221-08000NMSNMS/B	7054	12	01-Jun-2026
LISN (CISPR 16, Single Phase)	Chase	MN 2050	336	12	11-Jul-2026
LISN (CISPR 16, Single Phase)	Rohde & Schwarz	ESH3-Z5	1390	12	04-Feb-2026
Termination (50-Ohm, 15 W)	Diamond Antenna	DL-30N	218	12	22-Mar-2026

Table 19

3 Test Equipment Information

3.1 General Test Equipment Used

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Thermo-Hygro-Barometer	PCE Instruments	PCE-THB 40	5472	12	18-Jun-2026
Milliohm Meter	VICI	VC480C+	7012	12	21-May-2026

Table 20

4 Incident Reports

No incidents reports were raised.

5 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Conducted Emissions, AC Power Port	150 kHz to 30 MHz, LISN ±3.3 dB
Radiated Emissions	30 MHz to 1 GHz, Bilog Antenna ±5.17 dB 1 GHz to 6 GHz, Horn Antenna ±5.05 dB 6 GHz to 18 GHz, Horn Antenna ±4.94 dB
Radiated Magnetic Emissions	9 kHz to 30 MHz, Loop Antenna ±3.14 dB

Table 21

Worst case error for both Time and Frequency measurement 12 parts in 10^6.

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.