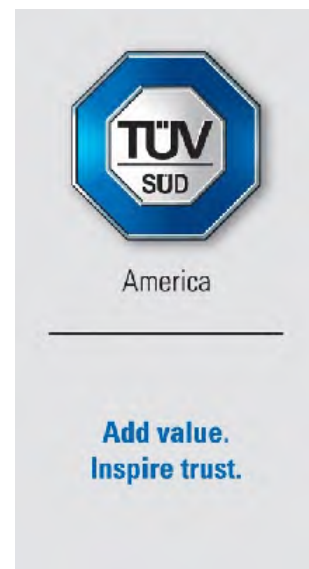


Report on the Testing of the

Invue Security Products Inc F2300-H (Qi2 added)

In accordance with:

EN55032:2015 + A11:2020, EN55035:2017 + A11:2020
EN 61000-3-2:2014, EN 61000-3-3:2013
EN 301 489-1v2.2.3, EN 301 489-3v2.3.2
FCC 47 CFR Part 15 Sub-Part B with reference to
ANSI C63.4:2014 and ICES-003:Issue 7 with reference to
ANSI C63.4:2014 + C63.4a:2017
CNS 15936:2016, AS/NZS CISPR 32, VCCI CISPR32
KS C 9832:2024, KS C 9835:2019, KS X 3124:2024, KS X 3125:2024
QCVN 118:2018, TCVN 7317:2003
SANS 2332:2017, SANS 2335:2018



Prepared for:

Invue Security Products Inc
15015 Lancaster Highway
Charlotte, North Carolina 28277

COMMERCIAL-IN-CONFIDENCE

Document Number: AT721021340.1E1

SIGNATURE

NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Steve O'Steen	EMC Technical Manager	Authorized Signatory	8 June, 2026

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

A2LA Accreditation 23932
Designation Number 967699

EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with the standards listed above.



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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.

Table 1.1-1 – Modification Record

Issue	Description of Change	Date of Issue
0	First Issue	8 June, 2026
1	Addition of DAH502 Wireless Bracket Puck to Clause 1.8	8 June, 2026

1.2 Introduction

Applicant	Rob Spadafore
Manufacturer	Invue Security Products Inc
Applicant's Email Address	RobSpadafore@invue.com
Model Number(s)	F2300-H (Qi2 added)
Serial Number(s)	n/a
Number of Samples Tested	1
Test Specification/Issue/Date	EN55032:2015 + A11:2020, EN55035:2017 + A11:2020 EN 61000-3-2:2014, EN 61000-3-3:2013 EN 301 489-1v2.2.3, EN 301 489-3v2.3.2 FCC 47 CFR Part 15 Sub-Part B with reference to ANSI C63.4:2014 and ICES-003:Issue 7 with reference to ANSI C63.4:2014 + C63.4a:2017 CNS 15936:2016, AS/NZS CISPR 32, VCCI CISPR32 KS C 9832:2024, KS C 9835:2019, KS X 3124:2024, KS X 3125:2024 QCVN 118:2018, TCVN 7317:2003 SANS 2332:2017, SANS 2335:2018
Order Number	721021340
Date of Receipt of EUT	5/13/2026
Condition of EUT	Normal – No Damage
Start of Test	5/13/2026
Finish of Test	5/20/2026
Related Document(s)	Q-000053075 EMC Signed



1.3 Summary of Test Results

A summary of the tests carried out in accordance with the specifications shown below.

Table 1.3-1 – Summary of Tests

Section	Specification	Test Description	Accreditation	Base Standard
2.1	EN 55035, KS C 9835, TCVN 7317, SANS 2335, EN 301 489, EN 301 489-3, KS X 3124, KS X 3125	Electrostatic discharges (ESD)	A2LA	EN 61000-4-2
2.2	EN 55035, KS C 9835, TCVN 7317, SANS 2335, EN 301 489, EN 301 489-3, KS X 3124, KS X 3125	Continuous RF electromagnetic field disturbances	A2LA	EN 61000-4-3
2.3	EN 55035, KS C 9835, TCVN 7317, SANS 2335, EN 301 489, EN 301 489-3, KS X 3124, KS X 3125	Continuous induced RF disturbances	A2LA	EN 61000-4-6
2.4	EN 55035, KS C 9835, TCVN 7317, SANS 2335	Power frequency magnetic field	A2LA	EN 61000-4-8
2.5	EN 55035, KS C 9835, TCVN 7317, SANS 2335, EN 301 489, EN 301 489-3, KS X 3124, KS X 3125	Electrical fast transients/burst (EFT/B)	A2LA	EN 61000-4-4
2.6	EN 55035, KS C 9835, TCVN 7317, SANS 2335, EN 301 489, EN 301 489-3, KS X 3124, KS X 3125	Surges	A2LA	EN 61000-4-5
2.7	EN 55035, KS C 9835, TCVN 7317, SANS 2335, EN 301 489, EN 301 489-3, KS X 3124, KS X 3125	Voltage dips and interruptions	A2LA	EN 61000-4-11
2.8	EN 55032	Radiated Emissions	A2LA	EN 55016-2-3
2.9	EN 55032	Conducted Emissions	A2LA	EN 55016-2-1
2.10		Harmonic current emissions	A2LA	EN 61000-3-2
2.11		Voltage fluctuations and flicker	A2LA	EN 61000-3-3

Table 1.3-2 – Test results

Test Description	Name of tester(s)	Result
Electrostatic discharges (ESD)	JV / WS	Pass
Continuous RF electromagnetic field disturbances	JV	Pass
Continuous induced RF disturbances	JV	Pass
Power frequency magnetic field	WS	Pass
Electrical fast transients/burst (EFT/B)	JV / AS	Pass
Surges	JV / AS	Pass
Voltage dips and interruptions	JV / AS	Pass
Radiated Emissions	JV / KD	Pass
Conducted Emissions	KD	Pass
Harmonic current emissions	WS	Pass
Voltage fluctuations and flicker	WS	Pass

1.4 Product Information

1.4.1 Technical Description

The Equipment Under Test (EUT) was an anti-theft device for mobile phone with Qi charging capability using either 127kHz or 360kHz.

A full description and detailed product specification details are available from the manufacturer.



Photo 1.4.1-1 –Views of the EUT

**Table 1.4.1-1 – Cable Descriptions**

Cable/Port	Description
AC power port	AC power

Table 1.4.1-2 – Support Equipment Descriptions

Make/Model	Description
Mobile Phone	Receives wireless charging from EUT

1.4.2 Modes of Operation

The EUT was tested while performing a wireless Qi charging operation on a mobile phone using either 127kHz or 360kHz as the charging frequency.

1.5 Deviations from the Standard

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

1.6 EUT Modification Record

The table below details modifications made to the EUT during the test program. The modifications incorporated during each test are recorded on the appropriate test pages.

Table 1.6-1 – Modification Record

Modification State	Description of Modification still fitted to EUT	Modification Fitted By	Date Modification Fitted
0	Initial State		

1.7 Test Location

TÜV SÜD conducted the following tests at our Alpharetta, GA test laboratory.

Office address:
 TÜV SÜD America
 5945 Cabot Parkway, Suite 100
 Alpharetta, GA 30005, USA



1.8 Declaration of Build Status

EQUIPMENT DESCRIPTION	
Model Name/Number	F2300-H / F2300-T incorporating the new DAH501 or DAH502 (wireless bracket puck)
Part Number	The following components are used to make up the 2300-H and 2300-T systems Make/Model Description InVue P02RTCR Retractor (DAR300) InVue P04SNSR Sensor Puck (DAS200) InVue P03STEM Long Stem (DAD150) InVue P01ALRM Alarm Module (DAA400) InVue DAH500 Phone Bracket Puck Or InVue DAH501 Wireless Bracket Puck (127 kHz & 360 kHz) Or InVue DAH502 Wireless Bracket Puck (127 kHz) InVue DAH5XX Phone Brackets InVue DAT60X Tablet Bracket Puck InVue DAT6XX Tablet Brackets X character is for various configurations not affecting test or function
Hardware Version	F2304101
Software Version	FW0273
FCC ID (if applicable)	2AFR8-DAH501
ISED ID (if applicable)	23313-DAH501
Technical Description (Please provide a brief description of the intended use of the equipment)	The F2300-H and F2300-T is used by a retailer to display, protect, and charge phones or tablets. If an unauthorized individual were to remove the product, such as those attempting to steal it, an alarm would sound to alert retail staff. The product includes an LED to indicate status, a piezo to indicate an alarm, and an interface for the InVue proprietary OneKEY system. The OneKEY is used by authorized personnel to silence alarms or disarm the product. The new DAH501& DAH502 add wireless charging feature

UN-INTENTIONAL RADIATOR	
Highest frequency generated or used in the device or on which the device operates or tunes	NA
Lowest frequency generated or used in the device or on which the device operates or tunes	NA
Class A Digital Device (Use in commercial, industrial or business environment) ☒	

Power Source			
AC	Single Phase	Three Phase	Nominal Voltage
	☐	☐	
External DC	Nominal Voltage		Maximum Current
	PS566 power supply 24VDC		PS566 power supply 2.08A
Battery	Nominal Voltage		Battery Operating End Point Voltage



EXTREME CONDITIONS					
Maximum temperature	+	°C	Minimum temperature	-	°C

Ancillaries	
Please list all ancillaries which will be used with the device.	PS566 power supply

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

Name: Rob Spadafore Position held: Senior Compliance Engineer

Date: 06/08/2026



2 Test Details

EN55035, KS C 9835, TCVN 7317, SANS 2335 performance criteria:

General

General performance criteria are defined in 8.2, 8.3 and 8.4. These criteria shall be used during the testing of primary functions where no relevant annex is applicable.

When assessing the impact of a disturbance on a function, the assessment should take into consideration the function's performance prior to the application of the disturbance and only identify as failures those changes in performance that are a result of the disturbance.

Performance criterion A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of operating state is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance criterion B

During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test.

After the test, the equipment shall continue to operate as intended without operator intervention; no degradation of performance or loss of function is allowed, below a performance level specified by the manufacturer, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance.

If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance criterion C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed.

Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

**Performance criteria for continuous phenomena per EN 301 489-1:**

During the test, the equipment shall:

- continue to operate as intended;
- not unintentionally transmit;
- not unintentionally change its operating state;
- not unintentionally change critical stored data.

Performance criteria for transient phenomena per EN 301 489-1:

For all ports and transient phenomena with the exception described below, the following applies:

- The application of the transient phenomena shall not result in a change of the mode of operation (e.g. unintended transmission) or the loss of critical stored data.
- After application of the transient phenomena, the equipment shall operate as intended.

For surges applied to symmetrically operated wired network ports intended to be connected directly to outdoor lines the following criteria applies:

- For products with only one symmetrical port intended for connection to outdoor lines, loss of function is allowed, provided the function is self-recoverable, or can be otherwise restored. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.
- For products with more than one symmetrical port intended for connection to outdoor lines, loss of function on the port under test is allowed, provided the function is self-recoverable. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

Performance criteria: Continuous and non-continuous operation per EN 301 489-3:

Latency is the time delay between the initiation and the completion of operation of the EUT. Correct functioning requires completing the relevant operation within the maximum latency time. Where the maximum latency is specified in the applicable harmonized radio standard (in the wanted performance criterion, or an acknowledge requirement), that value shall be used. Where this is not the case, then the maximum latency is that required by the intended use of the EUT.

Performance criteria: Operating modes per EN 301 489-3:

Where the EUT has more than one mode of operation (see clause 4.4.1), an unplanned transition from one mode to another is considered as an unintentional response. The EUT shall be tested in all modes to confirm there are no such unintentional responses.



2.1 Electrostatic Discharges (ESD)

2.1.1 Specification Reference

EN 61000-4-2 per:
EN 55035:2017 + A11:2020
EN 301 489-1v2.2.3, EN 301 489-3v2.3.2
KS C 9835:2019
KS X 3124:2024
KS X 3125:2024
TCVN 7317:2003
SANS 2335:2018

2.1.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state "0", as noted in §1.6.

2.1.3 Test Voltage / Frequency

220 VAC, 60 Hz

2.1.4 Date of Test

5/20/2026

2.1.5 Test Method

The equipment under test including associated cabling was configured on but insulated from, using a 0.5mm isolator, a horizontal coupling plane fitted to the top of a 0.8 m non-conductive table for table-top equipment; and on a 0.1 m insulated support for floor standing equipment; above a ground reference plane all within a test laboratory.

Using the air discharge method for non-metallic parts, contact discharge method for metallic parts with both vertical and horizontal couple plane discharge methods for the sides of the equipment under test, the required electrostatic discharge voltage levels in both voltage polarities were applied at the detailed pulse repetition rate.

During testing, any anomalies in the EUT's performance were recorded. The EUT was also monitored for transmission or for non-transmission at 127kHz or 360kHz using a near-field RF probe.

2.1.6 Environmental Conditions

The EUT was evaluated within the temperature, humidity and pressure range of the EUT as specified by the standard. The laboratory shall have an ambient temperature range of 15°C to 35°C, relative humidity range of 30% to 60% and atmospheric pressure range of 86 kPa to 106 kPa.

Ambient Temperature	23 °C
Relative Humidity	37 %
Atmospheric Pressure	1012 mbars



2.1.7 Test Results

Table 2.1.7-1 – Requirements

Required Test Levels				Performance Criteria
Discharge Type	Discharge Level (kV)		Number of Discharges per Location (Each Polarity)	
	Positive	Negative		
Air – Direct	8	8	10	B
Contact – Direct	4	4	10	B
Contact – Indirect	4	4	10	B

Table 2.1.7-2 – Observations for 127kHz Configuration

TEST POINT LOCATION	DISCHARGE TYPE		2 kV REPS + -		4 kV REPS + -		8 kV REPS + -		COMPLIES		CRITERIA MET	REMARKS
	DIRECT/ INDIRECT	CONTACT/ AIR							YES	NO		
HCP	Indirect	Contact			10	10			✓		A	Four sides tested
VCP	Indirect	Contact			10	10			✓		A	Four sides tested
C1 – C9	Direct	Contact			10	10			✓		A	
A1 – A3	Direct	Air	10	10	10	10	10	10	✓		A	

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

Table 2.1.7-3 – Observations for 360kHz Configuration

TEST POINT LOCATION	DISCHARGE TYPE		2 kV REPS		4 kV REPS		8 kV REPS		COMPLIES		CRITERIA MET	REMARKS
	DIRECT/ INDIRECT	CONTACT/ AIR	+	-	+	-	+	-	YES	NO		
HCP	Indirect	Contact			10	10			✓		A	Four sides tested
VCP	Indirect	Contact			10	10			✓		A	Four sides tested
C1 – C12	Direct	Contact			10	10			✓		A	
A1 – A10	Direct	Air	10	10	10	10	10	10	✓		A	

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

2.1.8 Test Set-up & Discharge Points

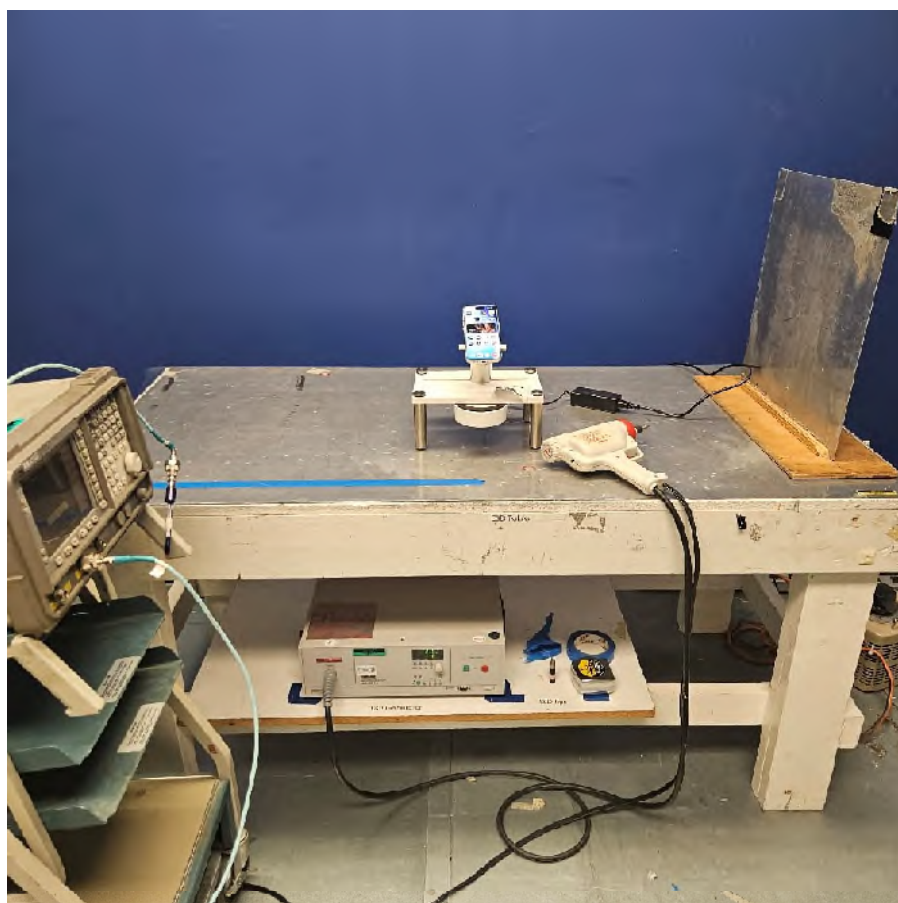


Photo 2.1.8-1 – ESD Test Set-up

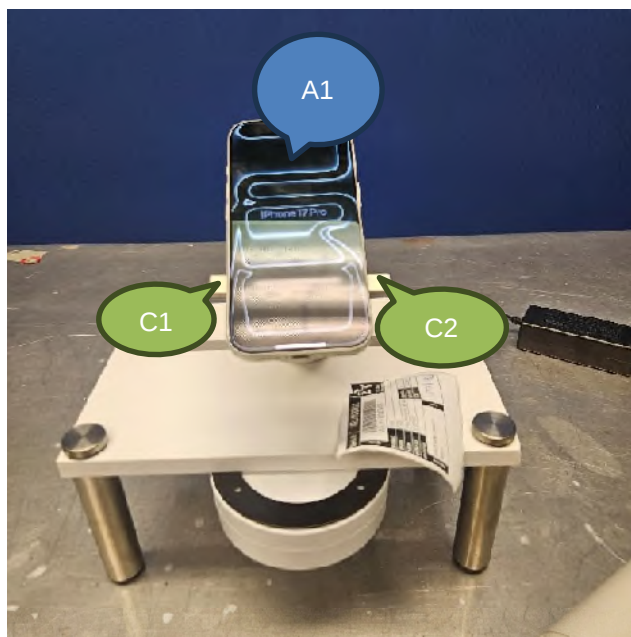


Photo 2.1.8-2 – 127kHz Discharge Points



Photo 2.1.8-3 – 127kHz Discharge Points



Photo 2.1.8-4 – 127kHz Discharge Points

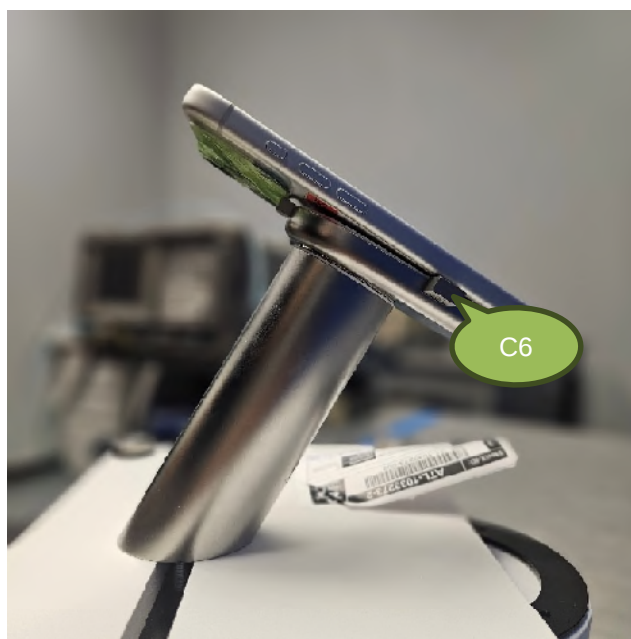


Photo 2.1.8-5 – 127kHz Discharge Points

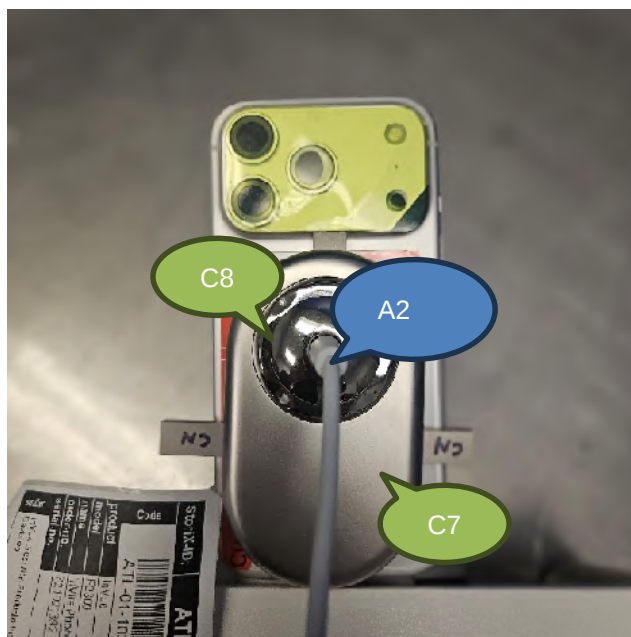


Photo 2.1.8-6 – 127kHz Discharge Points



Photo 2.1.8-7 – 127kHz Discharge Points

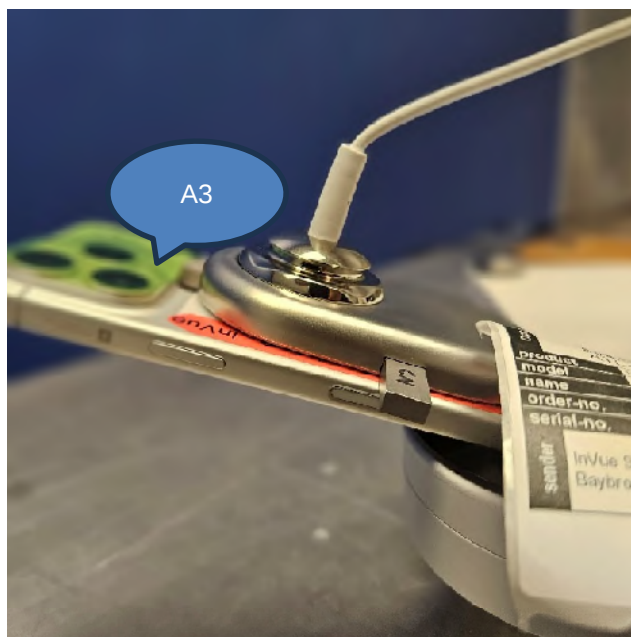


Photo 2.1.8-8 – 127kHz Discharge Points

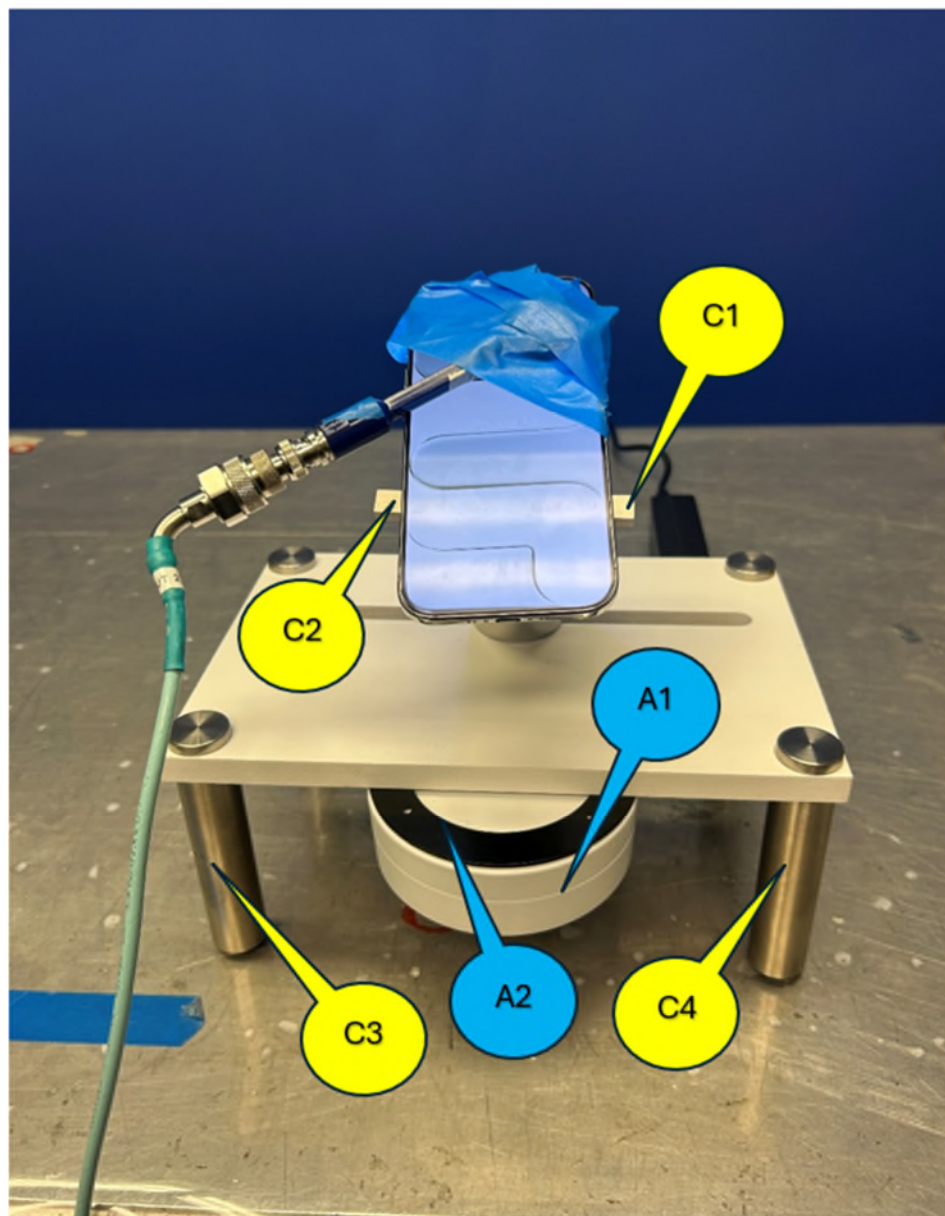


Photo 2.1.8-9 – 360kHz Discharge Points

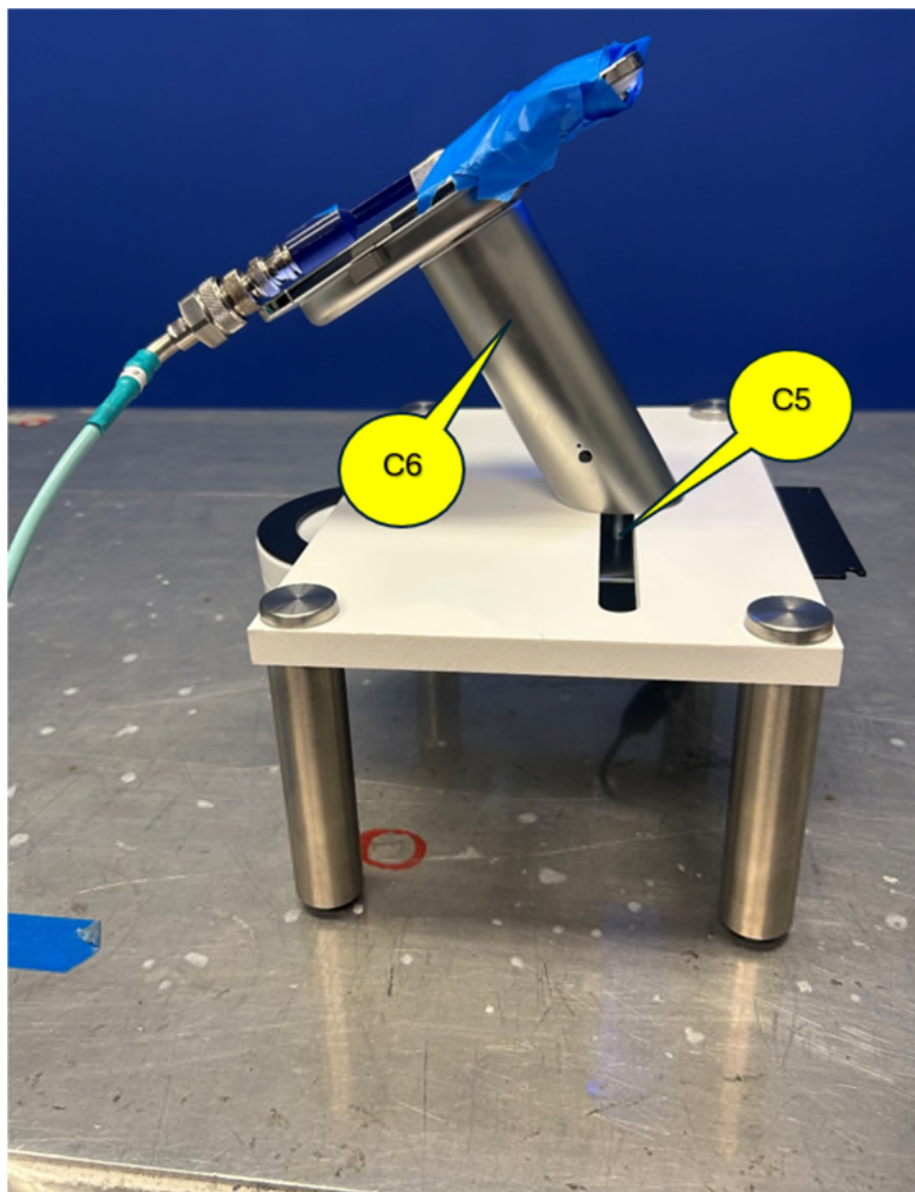


Photo 2.1.8-10 – 360kHz Discharge Points

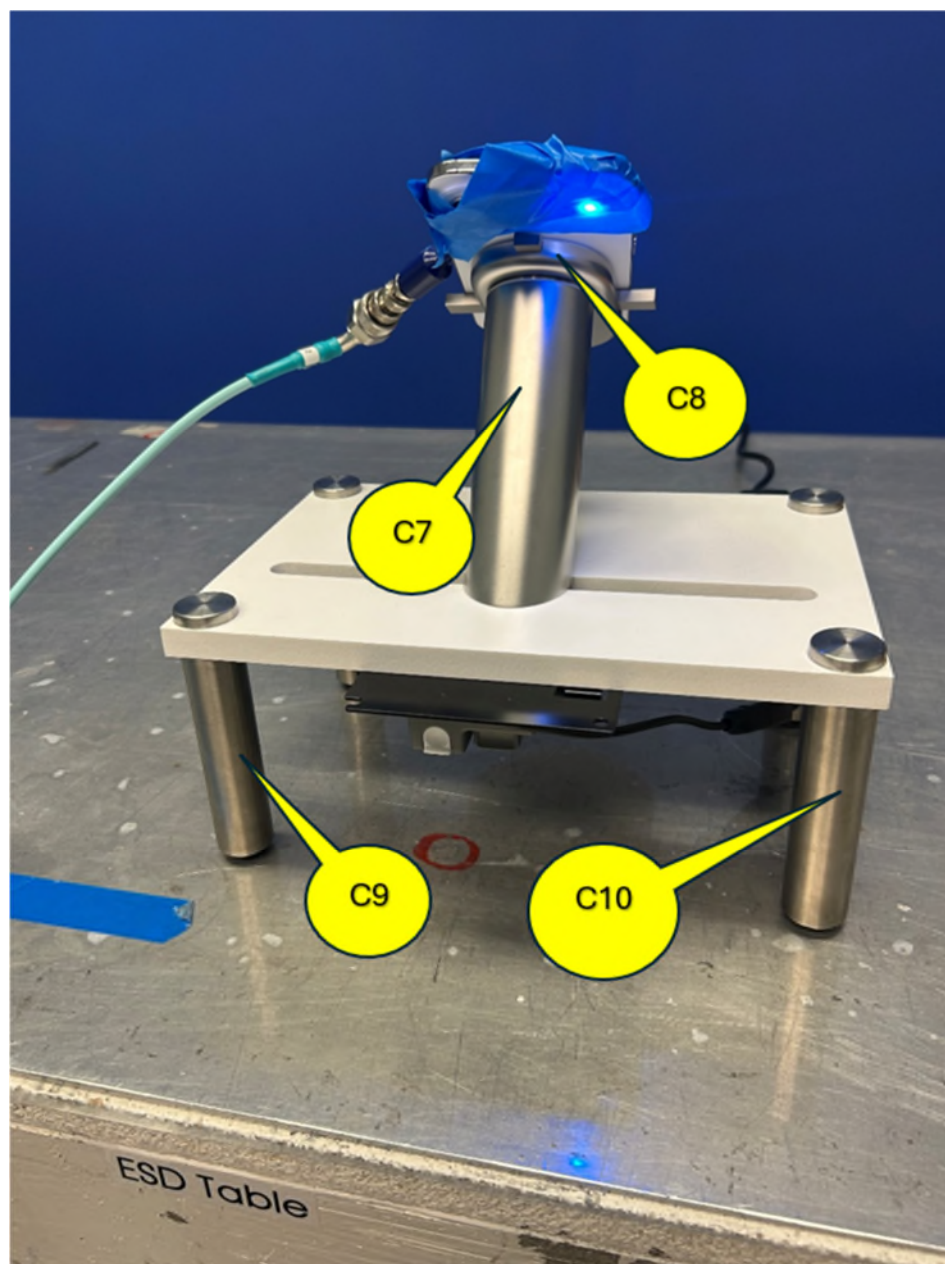


Photo 2.1.8-11 – 360kHz Discharge Points

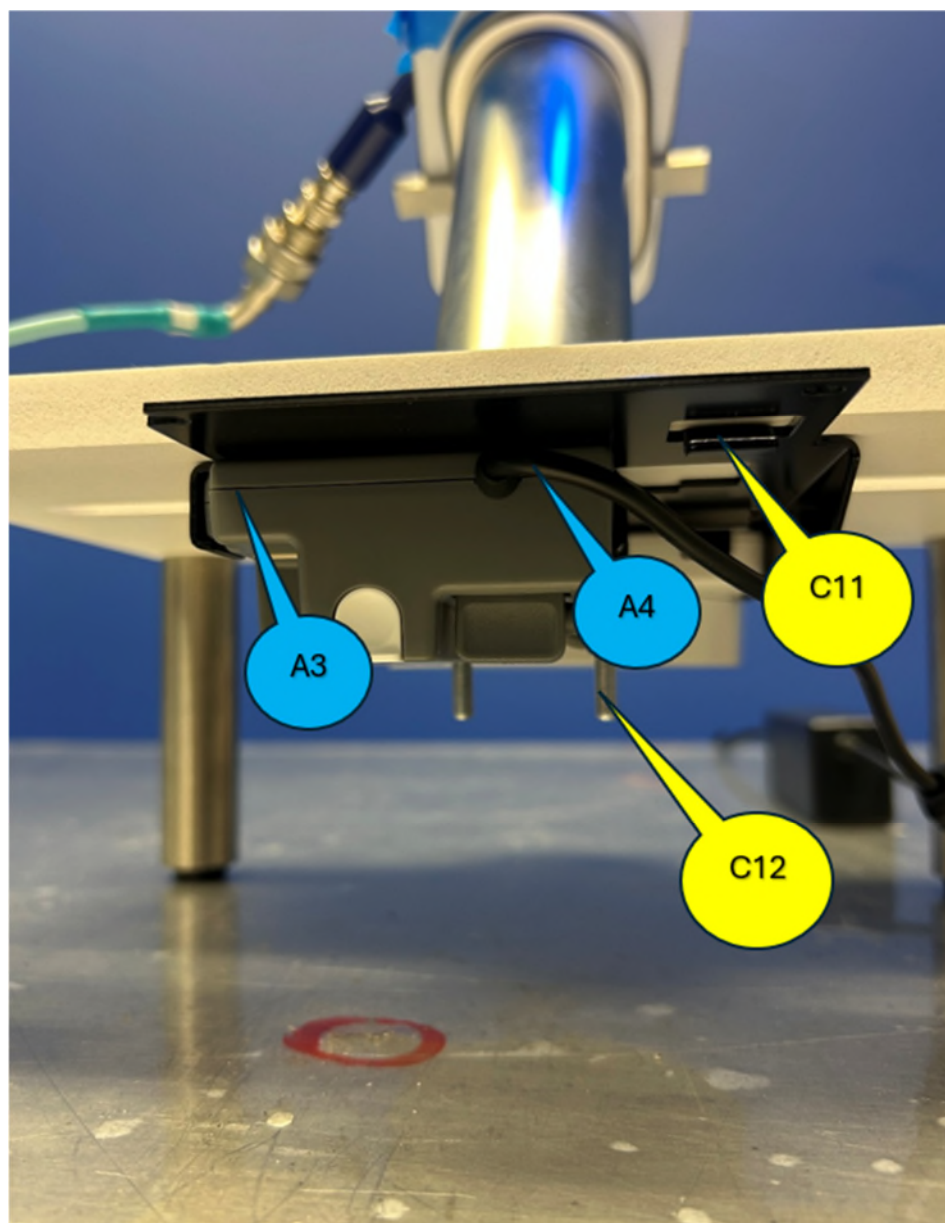


Photo 2.1.8-12 – 360kHz Discharge Points

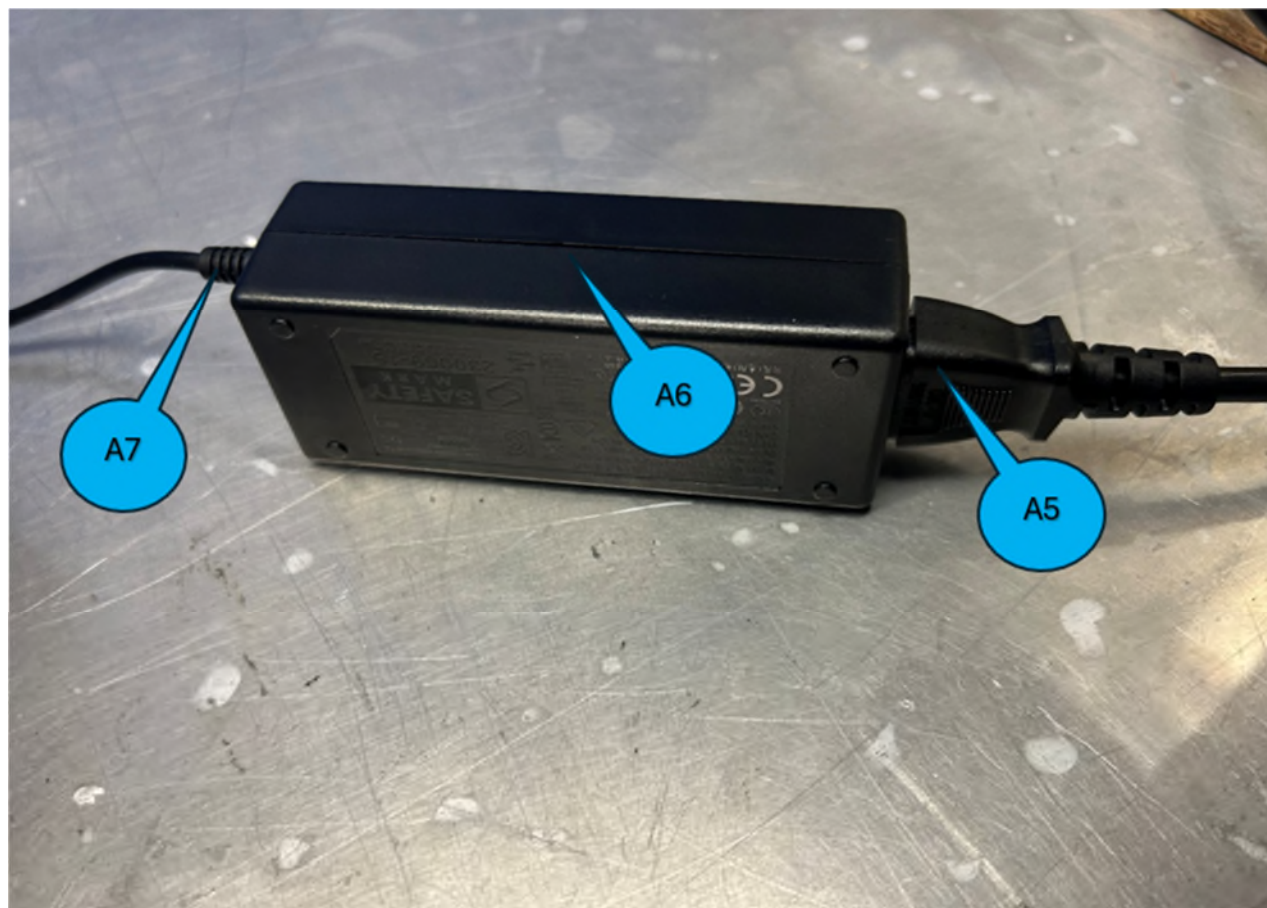


Photo 2.1.8-13 – Discharge Points

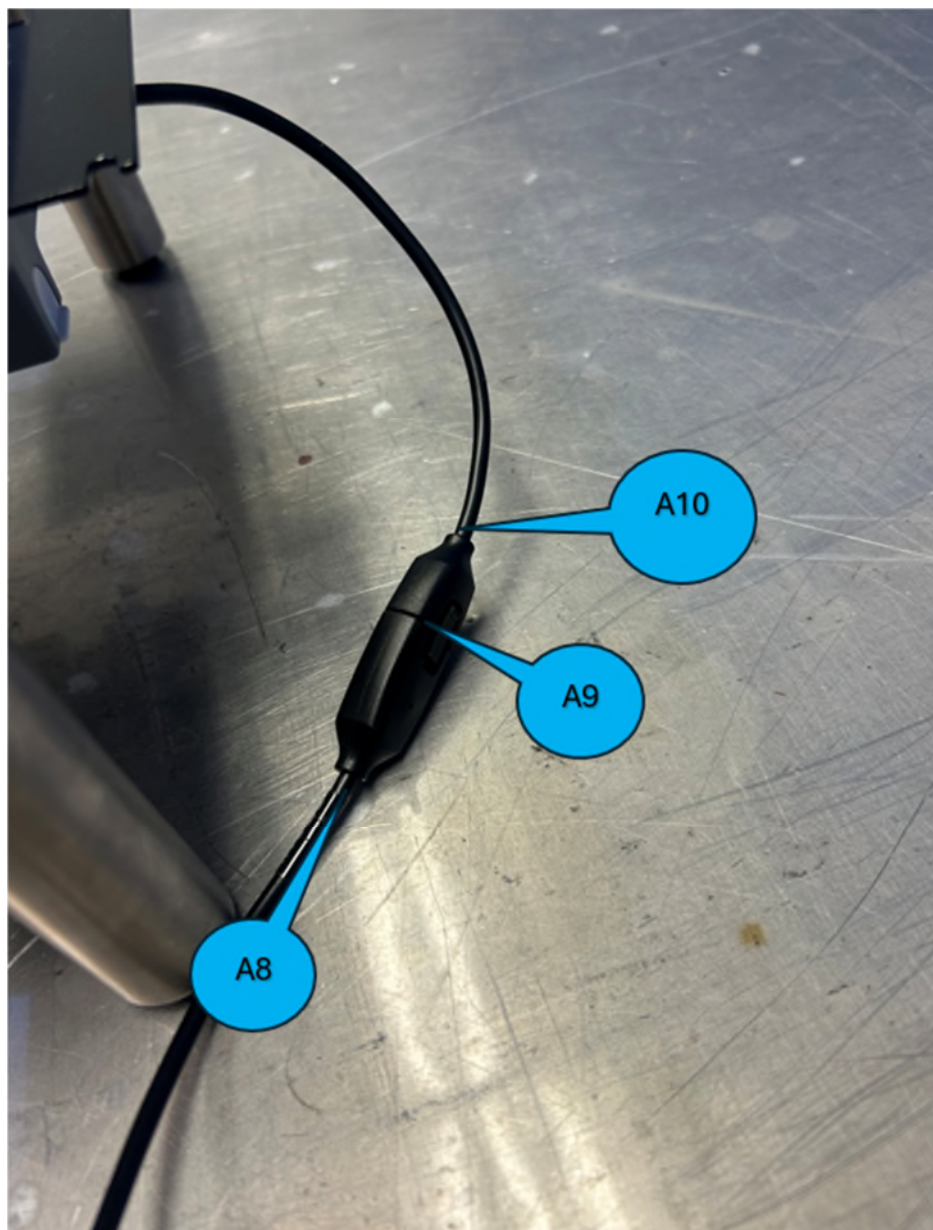


Photo 2.1.8-14 – Discharge Points



2.1.9 Test Location and Test Equipment Used

This test was carried out in Alpharetta, GA.

Table 2.1.9-1 – Electrostatic Discharge Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
375	Fluke	Fluke115	DMM	93771446	6/12/2025	6/12/2026
582	Kikusui	5385A	Electrostatic Discharge Simulator	324207825	10/6/2025	10/6/2026
AEMC0099	N/A	VCP	Vertical Coupling Plane	99	NCR	NCR
AEMC00144	Omega	RH411	Temp/Humidity Meter	H0103373	2/6/2025	2/6/2027

N/A – Not Applicable

NCR – No Calibration Required



2.2 Continuous RF Electromagnetic Field Disturbances

2.2.1 Specification Reference

EN 61000-4-3 per:
EN 55035:2017 + A11:2020
EN 301 489-1v2.2.3, EN 301 489-3v2.3.2
KS C 9835:2019
KS X 3124:2024
KS X 3125:2024
TCVN 7317:2003
SANS 2335:2018

2.2.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state "0", as noted in §1.6.

2.2.3 Test Voltage / Frequency

220 VAC, 60 Hz

2.2.4 Date of Test

5/15/2026

2.2.5 Test Method

The equipment under test including associated cabling was configured, on a 0.8 m non-conductive table for table-top equipment and on a 0.05 to 0.15 m insulated support for floor standing equipment; with a pre-calibrated semi anechoic chamber including RF absorbers on the floor. The EUT is placed with one incident with the calibration plane such that the distance from the antenna to the EUT is 2.15 meters for 80MHz to 6 GHz and 1.4 meters above the GRP which is the same as specified in the calibration of the field.

All four sides of the equipment under test were subjected to the required RF field strength, modulated as described, swept over the frequency range of test with the antenna positioned in both horizontal and vertical polarizations.

During testing, any anomalies in the EUT's performance were recorded. The EUT was also monitored for transmission or for non-transmission at 127kHz or 360kHz using a near-field RF probe.

2.2.6 Environmental Conditions

The EUT was evaluated within the climatic range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient climatic conditions of the laboratory.

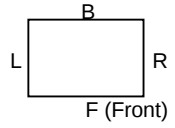


2.2.7 Test Results

Table 2.2.7-1 – Requirements

Required Test Levels					Performance Criteria
Frequency Range (MHz)	Level (V/m)	Modulation	Step Size (%)	Dwell (s)	
80 to 1000	3	AM (80 %,1 kHz, sine wave)	1 %	3	A
800, 900, 1800, 2600, 3500, and 5000	3, 4, 6, 12, or 30	AM (80 %,1 kHz, sine wave)	N/A	10	A
1000 to 6000	3	AM (80 %,1 kHz, sine wave)	1 %	3	A
Supplementary information: Note 1. EUT powered at one of the Nominal input voltages and frequencies					

Table 2.2.7-2 – Observations

Actual Test Levels					Performance Criteria
Frequency Range (MHz)	Level (V/m)	Modulation	Step Size (%)	Dwell (s)	
80 to 1000	3	AM (80 %,1 kHz, sine wave)	1 %	3	A
800, 900, 1800, 2600, 3500, and 5000	3, 4, 6, 12, or 30	AM (80 %,1 kHz, sine wave)	N/A	10	A
1000 to 6000	3	AM (80 %,1 kHz, sine wave)	1 %	3	A
Supplementary information: Note 1: EUT powered at one of the Nominal input voltages and frequencies Note 2: EUT was tested on all four sides (Front, Left, Back, Right). Note 3: Antenna tip to UF Plane (EUT surface) distance is 2.15m for 80MHz to 6GHz and 1.4m above the GRP.			FACE DEFINITION (TOP VIEW of EUT) T = Top U = Under Side 		

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

2.2.8 Test Set-up Photos

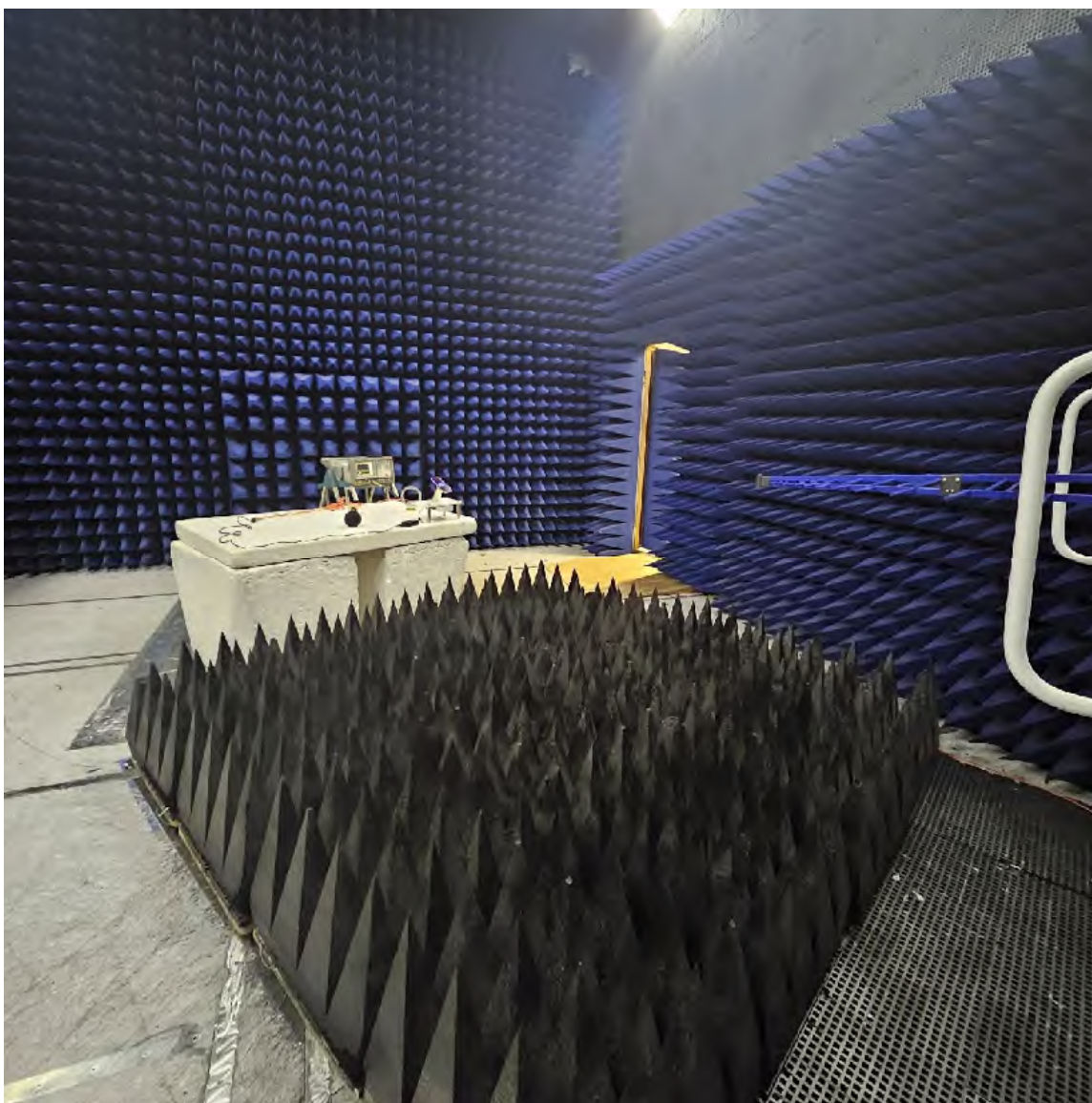


Photo 2.2.8-1 – Swept frequencies 1000-6000MHz



2.2.9 Test Location and Test Equipment Used

This test was carried out in Alpharetta, GA.

Table 2.2.9-1 – Electromagnetic Field Immunity Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
375	Fluke	Fluke115	DMM	93771446	6/12/2025	6/12/2026
582	Kikusui	5385A	Electrostatic Discharge Simulator	324207825	10/6/2025	10/6/2026
AEMC0099	N/A	VCP	Vertical Coupling Plane	99	NCR	NCR
AEMC00144	Omega	RH411	Temp/Humidity Meter	H0103373	2/6/2025	2/6/2027

N/A – Not Applicable

NCR – No Calibration Required



2.3 RF Continuous Conducted Disturbances

2.3.1 Specification Reference

EN 61000-4-6 per:
EN 55035:2017 + A11:2020
EN 301 489-1v2.2.3, EN 301 489-3v2.3.2
KS C 9835:2019
KS X 3124:2024
KS X 3125:2024
TCVN 7317:2003
SANS 2335:2018

2.3.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state "0", as noted in §1.6.

2.3.3 Test Voltage / Frequency

220 VAC, 60 Hz

2.3.4 Date of Test

5/18/2026

2.3.5 Test Method

The equipment under test was configured, on but insulated from, using a 0.1 m isolator, above a ground reference plane all within a test laboratory.

Using CDNs or current clamps as appropriate, the power ports and applicable signal and control ports were subjected to the required, pre-calibrated RF injected signal strength, modulated as described, swept over the frequency range of test.

During testing, any anomalies in the EUT's performance were recorded. The EUT was also monitored for transmission or for non-transmission at 127kHz or 360kHz using a near-field RF probe.

2.3.6 Environmental Conditions

The EUT was evaluated within the climatic range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient climatic conditions of the laboratory.



2.3.7 Test Results

Table 2.3.7-1 – Requirements for AC Mains Power Ports & Analogue / Digital Data Ports

Environmental Phenomenon	Test Specification		Units	Basic Standard	Performance Criteria
Continuous Induced RF Disturbance	Frequency Ranges Test level See Figure 2.3-2	0,15 - 80 3	MHz Volts	EN 61000-4-6	A
Supplementary information: Note 1: EUT powered at one of the Nominal input voltages and frequencies. Note 2: Only applicable to DC Network Power and Analogue / Digital Data Ports which, according to the manufacturer's specification, are greater than 3m.					

The test level specified is the rms voltage level of the unmodulated signal. The disturbance test signal shall be 80 % amplitude modulated by a sine wave, preferably having a frequency of 1 kHz. A frequency other than 1 kHz may be used where permitted. The dwell time at each frequency shall not be less than the time necessary for the EUT to be exercised and to be able to respond. However, the dwell time should not exceed 5 s at each of the frequencies during the scan. When testing an EUT with a radio reception function, the radio reception function is not expected to operate normally when the test frequency is within the band where the radio reception function is designed to operate.

Table 2.3.7-2 – Observations

TEST FREQUENCY (MHz)	TEST LEVEL (VOLTS)	MODULATION TYPE	INJECTION METHOD	LEAD DESCRIPTION (TYPE)	STEP SIZE (%)	DWELL TIME (SEC.)	COMPLIES		CRITERIA MET	REMARKS
							YES	NO		
0.15-80	3	AM	CDN	AC Mains	1	3	✓		A	

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

2.3.8 Test Set-up Photos

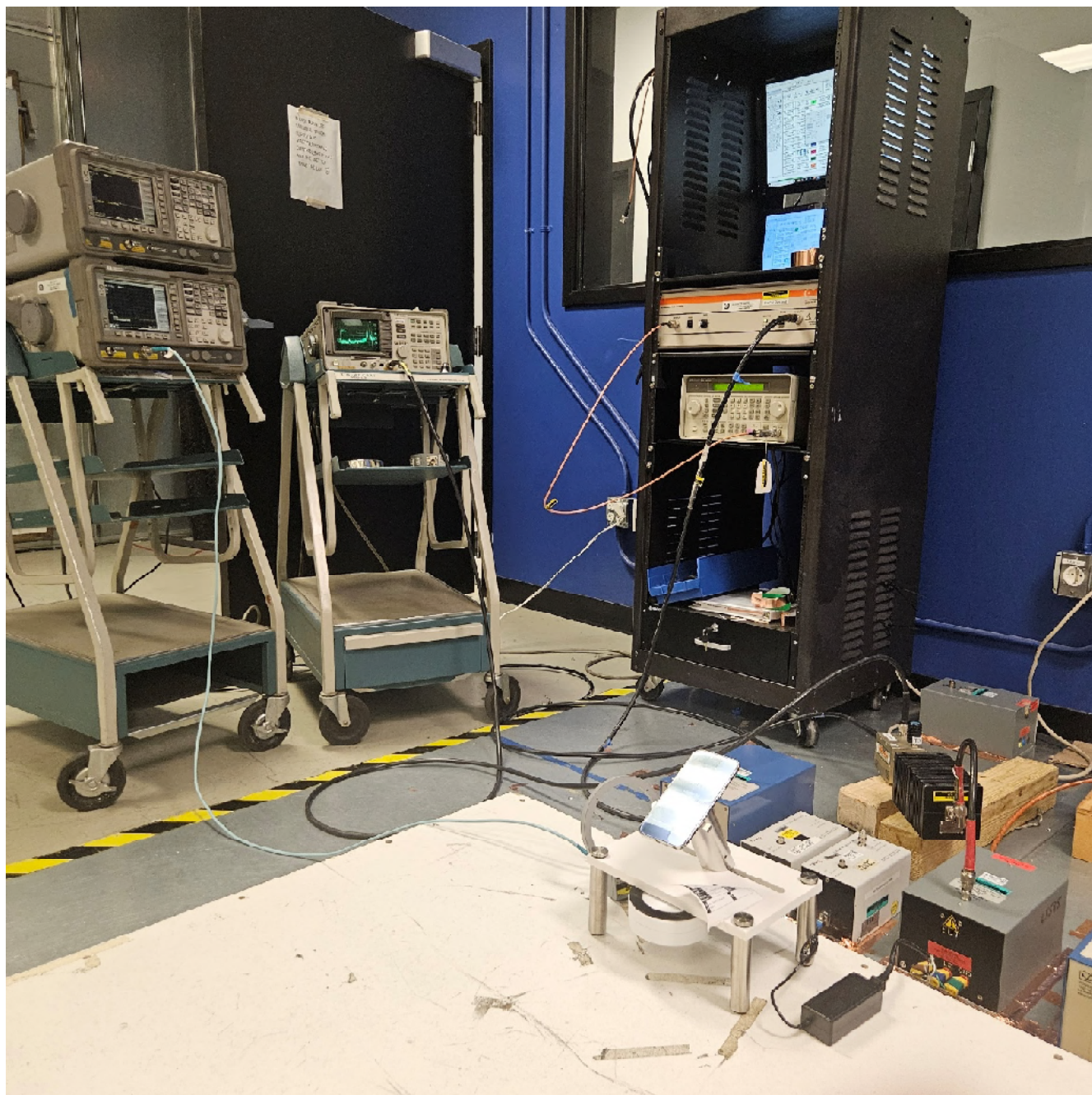


Photo 2.3.8-1 – RF Continuous Conducted Test Setup



2.3.9 Test Location and Test Equipment Used

This test was carried out in Alpharetta, GA.

Table 2.3.8-2 – Conducted Immunity Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
AEMC1113	Anritsu	MG3710E	Vector Signal Generator	6272524191	06/12/2025	06/12/2026
879	Ophir RF	5227FE Rev. B	RF Amplifier	1026	NCR	NCR
704	Amplifier Research	250S1G6C	RF Amplifier	N/A	NCR	NCR
857	ETS Lindgren	3117	Horn Antenna	00153608	NCR	NCR
315	Com-Power	ACL-6000	Antenna	10350000	NCR	NCR
AEMC15	Teledyne Storm Microwave	R90-195-396	RF Cable	N/A	NCR	NCR
566	United Microwave Products, Inc.	OO-190-00-120.0	10 FT Cable	566	NCR	NCR
841	Teledyne Storm Microwave	205 Series	Cable	N/A	NCR	NCR
844	Holaday	HI-4422-GRE	Field Probe	90309	NCR	NCR

N/A – Not Applicable

NCR – No Calibration Required



2.4 Power Frequency Magnetic Field

2.4.1 Specification Reference

EN 61000-4-8 per:
EN 55035:2017 + A11:2020
KS C 9835:2019
TCVN 7317:2003
SANS 2335:2018

2.4.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state “0”, as noted in §1.6.

2.4.3 Test Voltage / Frequency

220 VAC, 60 Hz

2.4.4 Date of Test

5/2/2026

2.4.5 Test Method

The equipment under test including associated cabling was configured on a non-conductive support in the 3dB test volume of the inductive coil. A pre-calibrated input level was then applied to magnetic inductive coil at the detailed frequency and level for the required test period.

The EUT was retested with the magnetic field applied in all 3 orthogonal planes of the EUT.

During this testing, any anomalies in the equipment under tests performance was recorded.

2.4.6 Environmental Conditions

The EUT was evaluated within the climatic range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient climatic conditions of the laboratory.



2.4.7 Test Results

Table 2.4.7-1 – Requirements

Environmental Phenomenon	Test specification		Units	Basic standard	Performance criteria
Power Frequency Magnetic Field	Frequency Field Strength	50 or 60 1	Hz A/m	EN 61000-4-8	A

Table 2.4.7-2 – Observations

Actual Test Levels					
Orientation	Operating Frequency	Test Frequency	Test Level	Duration	Performance Criteria Met
X, Y, Z	50 & 60 Hz	50 or 60 Hz	1 A/m	60 s	A

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

2.4.8 Test Set-up Photo

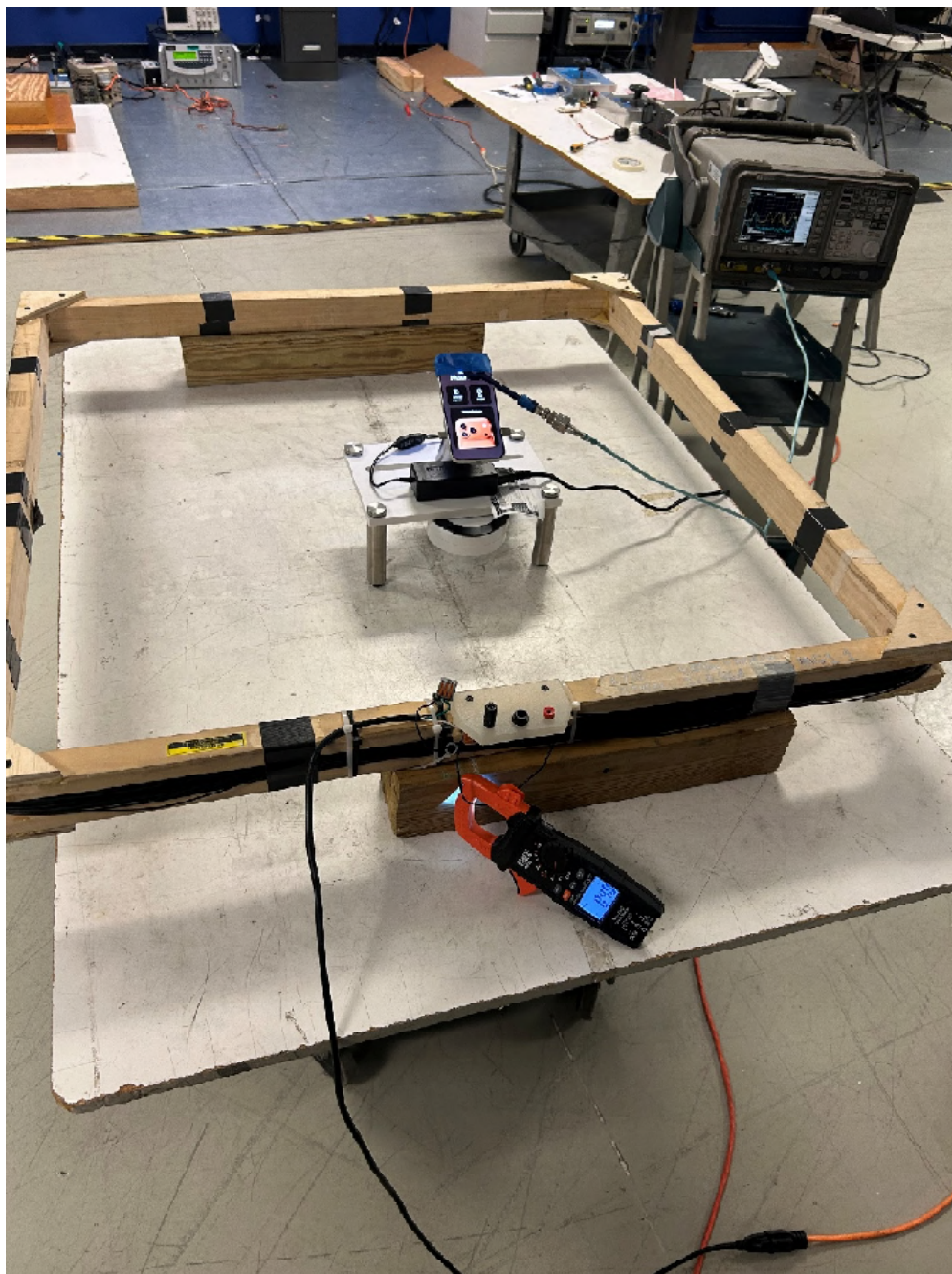


Photo 2.4.8-1 – Power-frequency Magnetic Field Immunity Set-up



2.4.9 Test Location and Test Equipment Used

This test was carried out in Alpharetta, GA.

Table 2.4.9-1 – Magnetic Field Immunity Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
456	ACS	MG1-1	Mag Loop Antenna	456	NCR	NCR
AEMC0900	Sper Scientific	840045	EMF Meter	210900043	2/5/2026	2/5/2027
859	N/A	TDGC2	Voltage Regulator	M0112893	NCR	NCR
AEMC00830	Klein Tools	CL800	AC/DC Digital Clamp Meter	1017C-C1	6/12/2025	6/12/2026

N/A – Not Applicable

NCR – No Calibration Required



2.5 Electrical Fast Transients / Burst (EFT/B)

2.5.1 Specification Reference

EN 61000-4-4 per:
EN 55035:2017 + A11:2020
EN 301 489-1v2.2.3, EN 301 489-3v2.3.2
KS C 9835:2019
KS X 3124:2024
KS X 3125:2024
TCVN 7317:2003
SANS 2335:2018

2.5.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state "0", as noted in §1.6.

2.5.3 Test Voltage / Frequency

220 VAC, 60 Hz

2.5.4 Date of Test

5/18/2026

2.5.5 Test Method

The equipment under test including associated cabling was configured on but insulated from, using a 0.1m isolator, above a ground reference plane all within a test laboratory.

Using a CDN for power ports, capacitive coupling clamp for signal and control ports and a 33nF coupling capacitor for earth ports, the required fast transient burst voltage levels in both voltage polarities were applied at the detailed pulse repetition rate and duration of test.

During testing, any anomalies in the EUT's performance were recorded. The EUT was also monitored for transmission or for non-transmission at 127kHz or 360kHz using a near-field RF probe.

2.5.6 Environmental Conditions

The EUT was evaluated within the climatic range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient climatic conditions of the laboratory.



2.5.7 Test Results

Table 2.5.7-1 – Requirements

Required Test Levels					Performance Criteria
Line Under Test	Level (kV)	Repetition Rate (kHz)	Test Duration	Coupling Method	
AC Power Port ⁽²⁾	± 1	5	1 min per polarity	Direct	B
DC Power Port ⁽¹⁾	± 0.5	5	1 min per polarity	Direct	B
Signal / Control Port ⁽¹⁾	± 0.5	5	1 min per polarity	Capacitive Clamp	B
Notes: 1. Only applicable to DC Network Power and Analogue / Digital Data Ports which, according to the manufacturer's specification, are greater than 3m. 2. EUT powered at one of the Nominal input voltages and frequencies					

Table 2.5.7-2 – Observations

TEST LEVEL (kV)	TEST TIME (SECONDS)	POLARITY		PE	N	L1	L2	L3	COUPL. CLAMP	COMPLIES		CRITERIA MET	REMARKS
		+	-							YES	NO		
1	60	+				X				✓		B	AC Mains
1	60	+			X					✓		B	AC Mains
1	60	+			X	X				✓		B	AC Mains
1	60	+		X						✓		B	AC Mains
1	60	+		X		X				✓		B	AC Mains
1	60	+		X	X					✓		B	AC Mains
1	60	+		X	X	X				✓		B	AC Mains
1	60		-			X				✓		B	AC Mains
1	60		-		X					✓		B	AC Mains
1	60		-	X						✓		B	AC Mains
1	60		-	X		X				✓		B	AC Mains
1	60		-	X	X					✓		B	AC Mains
1	60		-	X	X	X				✓		B	AC Mains

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

2.5.8 Test Set-up Photos



Photo 2.5.8-1 – EFT Test Setup, AC Power Ports



2.5.9 Test Location and Test Equipment Used

This test was carried out in Alpharetta, GA.

Table 2.5.9-1 – Electrical Fast Transient Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
AEMC00316	M-Precision Laboratories	EMCPRO PLUS	EFT Generator	MP00360	6/10/2025	6/10/2026
494	Omega	iBTHX-W	Temp/Humidity Meter	9460211	2/10/2025	2/10/2027
336	Tektronix	TDS 1012B	Oscilloscope	C010189	6/11/2025	6/11/2026

Table 2.5.9-2 – Test Equipment Module and Firmware List

technical data

Firmware: v6.11
Kernel: v4.00
String DB: v6.00
Option Code: 13-0F-04

Control SW:
CEWare: V4.2

N/A – Not Applicable

NCR – No Calibration Required



2.6 Surges

2.6.1 Specification Reference

EN 61000-4-5 per:
EN 55035:2017 + A11:2020
EN 301 489-1v2.2.3, EN 301 489-3v2.3.2
KS C 9835:2019
KS X 3124:2024
KS X 3125:2024
TCVN 7317:2003
SANS 2335:2018

2.6.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state "0", as noted in §1.6.

2.6.3 Test Voltage / Frequency

220 VAC, 60 Hz

2.6.4 Date of Test

5/18/2026

2.6.5 Test Method

Using CDNs for power ports and appropriate coupling methods for applicable signal and control ports, the required number of surges was applied for each surge voltage level using both positive and negative surge voltage polarities. Surges were applied at the power line frequency phase angles and repetition rates detailed.

During testing, any anomalies in the EUT's performance were recorded. The EUT was also monitored for transmission or for non-transmission at 127kHz or 360kHz using a near-field RF probe.

2.6.6 Environmental Conditions

The EUT was evaluated within the temperature and humidity range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient temperature range of 20°C to 40°C and humidity range of 30% to 80%.



2.6.7 Test Results

Table 2.6.7-1 – Requirements for AC Mains Power Ports

Table Clause	Environmental Phenomenon	Test Specification		Units	Basic Standard	Performance Criteria
4.4	Surges	Apply between line and line			EN 61000-4-5	B
		Test level	1	kV		
		Tr/Th	1,2/50 (8/20)	µs		
		Apply between line and earth (ground)				
		Test level	2	kV		
		Tr/Th	1,2/50 (8/20)	µs		
Supplementary Information: - Test shall be performed with protection measures in place, if specified by the manufacturer The number of pulses applied shall be as follows: - Five positive pulses line-to-neutral at 90° phase - Five negative pulses line-to-neutral at 270° phase The following additional pulses are required only if the EUT has an earth connection or if the EUT is earthed via any AE. - Five positive pulses line-to-earth at 90° phase - Five negative pulses line-to-earth at 270° phase - Five negative pulses neutral-to-earth at 90° phase - Five positive pulses neutral-to-earth at 270° phase For multiple-phase systems, where a neutral conductor is present, the test is applied (as defined above) to a single phase unless the other phases are connected to significantly different circuit arrangements. For multiple-phase systems, where a neutral conductor is not present, the test is applied as defined in the basic standard.						

Table 2.6.7-2 – Requirements for Analogue / Digital Data Ports

Table Clause	Environmental Phenomenon	Test Specification		Units	Basic Standard	Performance Criteria
2.4	Surges	Port type: unshielded symmetrical Apply: lines to ground			EN 61000-4-5	B
		Test level	1.0 and 4	kV		
		Tr/Th	10/700 (5/320)	µs		
		Port type: coaxial or shielded Apply: shield to ground				
		Test level	0.5 and 4	kV		
		Tr/Th	1,2/50 (8/20)	µs		
Supplementary Information: Applicable only to ports which, according to the manufacturer's specification, support cable lengths greater than 3 m.						

Table 2.6.7-3 – Requirements for DC Network Power Ports

Table Clause	Environmental Phenomenon	Test Specification		Units	Basic Standard	Performance Criteria
3.2	Surges	Surges are applied line to reference ground for each individual line			EN 61000-4-5	B
		Test level Tr/Th	0.5 1,2/50 (8/20)	kV µs		
Supplementary Information: Applicable only to ports which, according to the manufacturer's specification, support cable lengths greater than 3 m and connect to outdoor cables.						



Table 2.6.7-4 – Observations

TEST LEVEL (kV)	PHASE ANGLE (DEGREES)	# OF SURGES		PE	N	L1	L2	L3	COMPLIES		CRITERIA MET	REMARKS
		(+)	(-)						Yes	No		
0.5	0	5	5		X	X			✓		A	Differential mode
0.5	90	5	5		X	X			✓		A	
0.5	180	5	5		X	X			✓		A	
0.5	270	5	5		X	X			✓		A	
1	0	5	5		X	X			✓		A	
1	90	5	5		X	X			✓		A	
1	180	5	5		X	X			✓		A	
1	270	5	5		X	X			✓		A	
0.5	0	5	5	X	X				✓		A	Common mode
0.5	90	5	5	X	X				✓		A	
0.5	180	5	5	X	X				✓		A	
0.5	270	5	5	X	X				✓		A	
1	0	5	5	X	X				✓		A	
1	90	5	5	X	X				✓		A	
1	180	5	5	X	X				✓		A	
1	270	5	5	X	X				✓		A	
2	0	5	5	X	X				✓		A	
2	90	5	5	X	X				✓		A	
2	180	5	5	X	X				✓		A	
2	270	5	5	X	X				✓		A	
0.5	0	5	5	X		X			✓		A	
0.5	90	5	5	X		X			✓		A	
0.5	180	5	5	X		X			✓		A	
0.5	270	5	5	X		X			✓		A	
1	0	5	5	X		X			✓		A	
1	90	5	5	X		X			✓		A	
1	180	5	5	X		X			✓		A	
1	270	5	5	X		X			✓		A	
2	0	5	5	X		X			✓		A	
2	90	5	5	X		X			✓		A	
2	180	5	5	X		X			✓		A	
2	270	5	5	X		X			✓		A	

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

2.6.8 Test Set-up Photos



Photo 2.6.8-1 – Surge Test Setup, AC Power Port



2.6.9 Test Location and Test Equipment Used

This test was carried out in Alpharetta, GA.

Table 2.6.9-1 – Surge Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
AEMC00316	M-Precision Laboratories	EMCPRO PLUS	EFT Generator	MP00360	6/10/2025	6/10/2026
494	Omega	iBTHX-W	Temp/Humidity Meter	9460211	2/10/2025	2/10/2027
336	Tektronix	TDS 1012B	Oscilloscope	C010189	6/11/2025	6/11/2026

Table 2.6.9-2 – Test Equipment Module and Firmware List

technical data

Firmware: v6.11
Kernel: v4.00
String DB: v6.00
Option Code: 13-0F-04

Control SW:
CEWare: V4.2

N/A – Not Applicable

NCR – No Calibration Required



2.7 AC Voltage Dips and Interruptions

2.7.1 Specification Reference

EN 61000-4-11 per:
EN 55035:2017 + A11:2020
EN 301 489-1v2.2.3, EN 301 489-3v2.3.2
KS C 9835:2019
KS X 3124:2024
KS X 3125:2024
TCVN 7317:2003
SANS 2335:2018

2.7.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state "0", as noted in §1.6.

2.7.3 Test Voltage / Frequency

100 VAC, 50 Hz
240 VAC, 50 Hz

2.7.4 Date of Test

5/18/2026

2.7.5 Test Method

Using a voltage dip tester, the equipment under test was subjected to the detailed supply voltage dips and interruptions. The required supply phase synchronization and test repetition rate, detailed, was controlled by the voltage dip tester.

During testing, any anomalies in the EUT's performance were recorded. The EUT was also monitored for transmission or for non-transmission at 127kHz or 360kHz using a near-field RF probe.

2.7.6 Environmental Conditions

The EUT was evaluated within the climatic range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient climatic conditions of the laboratory.



2.7.7 Test Results

Table 2.7.7-1 – Requirements per CISPR35 / CISPR24

Environmental Phenomenon	Test Specification		Basic Standard	Performance Criteria
Voltage Dips	Residual Voltage % Number of Cycles	< 5 0,5	EN 61000-4-11	B
	Residual Voltage % Number of Cycles	70 25 for 50 Hz 30 for 60 Hz		C
Voltage Interruptions	Residual Voltage % Number of Cycles	< 5 250 for 50 Hz 300 for 60 Hz	EN 61000-4-11	C
Supplementary Information: (a) Changes to occur at 0 degrees crossover point of the voltage waveform. If the EUT does not demonstrate compliance when tested with 0 degrees switching, the test shall be repeated with the switching occurring at both 90 degrees and 270 degrees. If the EUT satisfies these alternative requirements, then it fulfils the requirements. This condition shall be recorded in the test report. (b) Apply at only one supply frequency of the MME.				

Table 2.7.7-2 – Requirements per EN 301 489:

Environmental Phenomenon	Test Specification		Basic Standard	Performance Criteria
Voltage Dips	Residual Voltage % Number of Cycles	< 5 0,5	EN 61000-4-11	B
	Residual Voltage % Number of Cycles	< 5 1		C
	Residual Voltage % Number of Cycles	70 25 for 50 Hz		
Voltage Interruptions	Residual Voltage % Number of Cycles	< 5 250 for 50 Hz	EN 61000-4-11	C
Supplementary Information: (a) Changes to occur at 0 degrees crossover point of the voltage waveform. If the EUT does not demonstrate compliance when tested with 0 degrees switching, the test shall be repeated with the switching occurring at both 90 degrees and 270 degrees. If the EUT satisfies these alternative requirements, then it fulfils the requirements. This condition shall be recorded in the test report. (b) Apply at only one supply frequency of the MME.				



Table 2.7.7-3 – Observations

TEST LEVEL (NOMINAL VOLTAGE)	% REDUCTION	PHASE ANGLE (DEGREES)	REPETITIONS	DURATION (cycles)	COMPLIES		CRITERIA MET	REMARKS
					YES	NO		
240	100	0	3	0.5	✓		B	
240	100	180	3	0.5	✓		B	
240	100	0	3	1	✓		B	
240	30	0	3	25	✓		B	
240	100	0	3	250	✓		C	EUT shuts down, returns to normal operation with user intervention

TEST LEVEL (NOMINAL VOLTAGE)	% REDUCTION	PHASE ANGLE (DEGREES)	REPETITIONS	DURATION (cycles)	COMPLIES		CRITERIA MET	REMARKS
					YES	NO		
100	100	0	3	0.5	✓		B	
100	100	180	3	0.5	✓		B	
100	100	0	3	1	✓		B	
100	30	0	3	25	✓		B	
100	100	0	3	250	✓		C	EUT shuts down, returns to normal operation with user intervention

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

2.7.8 Test Set-up Photographs



Photo 2.7.8-1 –Test Setup for the Voltage Dips and Interruptions



2.7.9 Test Location and Test Equipment Used

This test was carried out in Alpharetta, GA.

Table 2.7.9-1 – Voltage Dips and Interruptions Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
AEMC00316	M-Precision Laboratories	EMCPRO PLUS	EFT Generator	MP00360	6/10/2025	6/10/2026
494	Omega	iBTHX-W	Temp/Humidity Meter	9460211	2/10/2025	2/10/2027
336	Tektronix	TDS 1012B	Oscilloscope	C010189	6/11/2025	6/11/2026

technical data

Firmware: v6.11
 Kernel: v4.00
 String DB: v6.00
 Option Code: 13-0F-04

 Control SW:
 CEWare: V4.2

N/A – Not Applicable

NCR – No Calibration Required



2.8 Radiated Emissions

2.8.1 Specification Reference

EN 55032:2015 + A11:2020
EN 301 489-1v2.2.3
FCC 47 CFR Part 15 Sub-Part B
ICES-003:Issue 7
AS/NZS CISPR 32
VCCI CISPR32
CNS 15936:2016
KS C 9832:2024
KS X 3124:2024
QCVN 118:2018
SANS 2332:2017

2.8.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state “0”, as noted in §1.6.

2.8.3 Test Voltage / Frequency

100Vac/50Hz
120Vac/60Hz
110Vac/60Hz
200Vac/60Hz
220Vac/60Hz
230Vac/50Hz

2.8.4 Date of Test

5/14/2026

2.8.5 Test Method

30-1000 MHz – The EUT was set up in a semi-anechoic chamber on a remotely controlled turntable and placed on a non-conductive support 0.8 m above a reference ground plane using a measurement distance of 10m.

A pre-scan of the EUT emissions profile was made while varying the antennae-to-EUT azimuth and antennae-to-EUT polarization using a peak detector; measurements were taken at a 3m distance. Using the pre-scan list of the highest emissions detected, their bearing and associated antenna polarization, the EUT was then formally measured using Quasi-Peak detector. The readings were maximized by adjusting the antenna height, polarization and turntable azimuth, in accordance with the specification.

Above 1000 MHz – The EUT was set up in an anechoic chamber on a remotely controlled turntable and placed on a non-conductive support 0.8 m above the turntable using a measurement distance of 3m.



The EUT was assessed against the Class A limits at voltages listed in Section 2.8.3 using automated radiated emissions scans. These preliminary scans were compared, and the configuration with the worst-case emissions profile was determined to be powered at 230Vac, 50Hz. Maximized measurements were then performed on the worst-case configuration and the results presented here can be used to prove compliance when the EUT is powered by any other voltage listed.

2.8.6 Environmental Conditions

The EUT was evaluated within the temperature and humidity range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient temperature range of 20°C to 40°C and humidity range of 30% to 80%.

2.8.7 Additional Observations

EN 55032: The frequency range investigated was 30 MHz to 1 GHz. The highest frequency to which the DUT was measured was determined in accordance with Table 2.8.7-1 below.

Table 2.8.7-1 – Highest Measured Frequency

Highest Internal Frequency (F_x)	Highest Measured Frequency
$F_x \leq 108$ MHz	1 GHz
$108 \text{ MHz} < F_x \leq 500$ MHz	2 GHz
$500 \text{ MHz} < F_x \leq 1$ GHz	5 GHz
$F_x > 1$ GHz	$5 \times F_x$ up to a maximum of 6 GHz

Measurements up to 1 GHz were recorded using TILE Version 7.7.2.4 automated software. Reported level is the actual level with all the correction factors factored in. Correction Factor column is for informational purposes only. See Section 2.8.8 for sample computation.

2.8.8 Sample Computation (Radiated Emissions)

Measuring equipment raw measurement (dB μ V) @ 30 MHz			20.0
Correction Factor (dB/m)	Cable 2	0.24	18.94
	TEMC00011 (antenna)	18.70	
Reported Quasi-peak Final Measurement (dB μ V/m) @ 30 MHz			38.94

2.8.9 Test Results

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

See data below for detailed results.

Highest frequency generated or used within the EUT: <108MHz
 Which necessitates an upper frequency test limit of: 1 GHz
 Measurement distance used for < 1GHz measurements: 10 m
 Measurement distance used for > 1GHz measurements: 3 m



TUV EMC Lab

Radiated Emissions, Under 1GHz

HV Graph

Company - 721021340 InVue

Model - F2300-H

Config - 230VAC50Hz; Powered ON; Charging 360kHz

Operator - JV

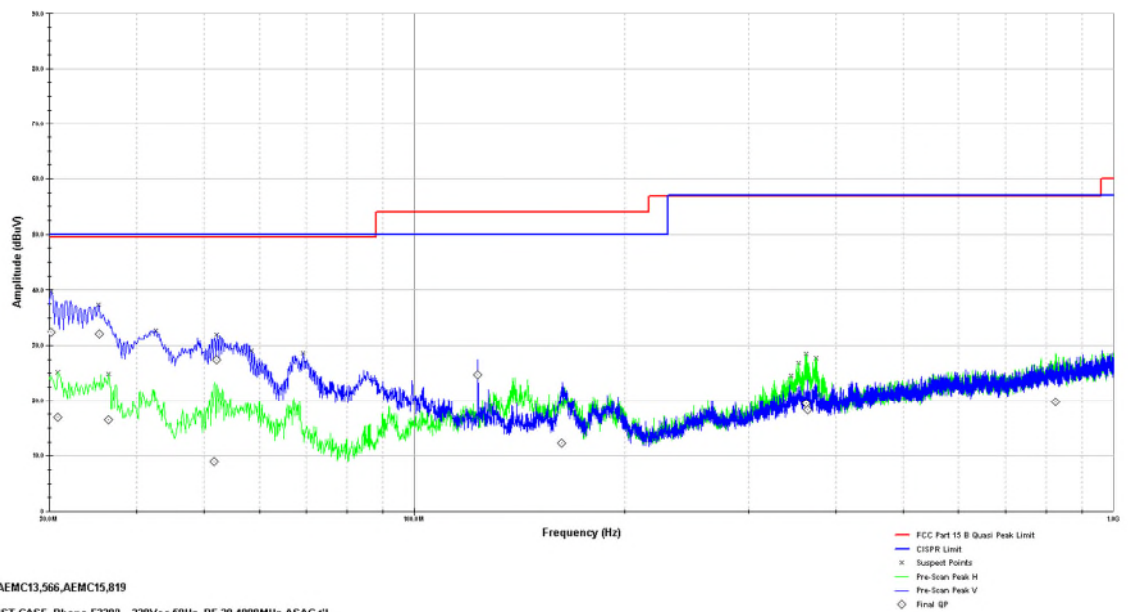


Figure 2.8.9-1 – Graphical Results 30 MHz to 1 GHz – H & V Polarity – 230 VAC, 50 Hz at 3m



Table 2.8.9-1 – Electromagnetic Radiation Disturbance Data – 30 MHz to 1 GHz – 230 VAC, 50 Hz

Test Data Table: FCC Limits@10m

Frequency (MHz)	Measured Level (dBuV)		Antenna Polarity (H/V)	Antenna Height (cm)	Turntable Position (o)	Correction Factors (dB)	Corrected Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)	
	Pk	Qpk/Av					Pk	Qpk/Av	Pk	Qpk/Av	Pk	Qpk/Av
30.823	31.49	25.91	H	350	184	-12.21	-----	13.70	-----	39.1	-----	25.4
36.402	34.51	27.55	H	275	40	-15.31	-----	12.24	-----	39.1	-----	26.9
51.578	40.18	34.71	H	275	182.17	-22.67	-----	12.04	-----	39.1	-----	27.1
123.123	40.83	34.59	H	250	71.3	-16.81	-----	17.78	-----	43.5	-----	25.7
363.289	33.34	27.74	H	100	183.8	-12.43	-----	15.31	-----	46.4	-----	31.1
825.347	33.69	30.95	H	100	129.6	-2.79	-----	28.16	-----	46.4	-----	18.2
30.2	42.84	32.82	V	100	68.75	-10.67	-----	22.15	-----	39.1	-----	17.0
35.388	48.34	32.17	V	100	139.47	-13.43	-----	18.74	-----	39.1	-----	20.4
52.016	43.04	34.50	V	100	130.52	-21.34	-----	13.16	-----	39.1	-----	25.9
123.123	42.80	37.69	V	300	160.57	-15.00	-----	22.69	-----	43.5	-----	20.8
162.355	53.43	50.03	V	275	125.07	-16.58	-----	33.45	-----	43.5	-----	10.1
364.791	30.23	25.49	V	100	111.9	-8.36	-----	17.13	-----	46.4	-----	29.3

Qpk = Quasi-Peak Measurement or Limit (< 1GHz)

AV = Average Measurement or Limit (>1GHz)

Notes:

**Test Data Table: CISPR Limits@10m**

Frequency (MHz)	Measured Level (dBuV)		Antenna Polarity (H/V)	Antenna Height (cm)	Turntable Position (o)	Correction Factors (dB)	Corrected Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)	
	Pk	Qpk/Av					Pk	Qpk/Av	Pk	Qpk/Av	Pk	Qpk/Av
30.823	31.49	25.91	H	350	184	-12.21	-----	13.70	-----	40.0	-----	26.3
36.402	34.51	27.55	H	275	40	-15.31	-----	12.24	-----	40.0	-----	27.8
51.578	40.18	34.71	H	275	182.17	-22.67	-----	12.04	-----	40.0	-----	28.0
123.123	40.83	34.59	H	250	71.3	-16.81	-----	17.78	-----	40.0	-----	22.2
363.289	33.34	27.74	H	100	183.8	-12.43	-----	15.31	-----	47.0	-----	31.7
825.347	33.69	30.95	H	100	129.6	-2.79	-----	28.16	-----	47.0	-----	18.8
30.2	42.84	32.82	V	100	68.75	-10.67	-----	22.15	-----	40.0	-----	17.9
35.388	48.34	32.17	V	100	139.47	-13.43	-----	18.74	-----	40.0	-----	21.3
52.016	43.04	34.50	V	100	130.52	-21.34	-----	13.16	-----	40.0	-----	26.8
123.123	42.80	37.69	V	300	160.57	-15.00	-----	22.69	-----	40.0	-----	17.3
162.355	53.43	50.03	V	275	125.07	-16.58	-----	33.45	-----	40.0	-----	6.6
364.791	30.23	25.49	V	100	111.9	-8.36	-----	17.13	-----	47.0	-----	29.9

Qpk = Quasi-Peak Measurement or Limit (< 1GHz)

AV = Average Measurement or Limit (>1GHz)

Notes:

2.8.10 Radiated Emissions Test Set-up Photos



Photo 2.8.10-1 – Front View of the Test Setup below 1 GHz



Photo 2.8.10-2 – Rear View of the Test Setup below 1 GHz



2.8.11 Test Location and Test Equipment Used

The tests were carried out in Alpharetta, GA.

Table 2.8.11-1 – Radiated Emissions Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
AEMC00852	Teseq	CBL6112D	Bilog Antenna; Attenuator	51617	11/14/2024	11/14/2026
AEMC0887	Com Power	PAM 103	Pre-amplifier	18020212	09/30/2025	09/30/2026
819	Rohde & Schwarz	ESR26	EMI TEST RECEIVER	101345	6/11/2025	6/11/2026
13	Teledyne Storm Microwave	R-90-195-036	ASAC Cable	N/A	11/6/2025	11/6/2026
15	Teledyne Storm Microwave	R-90-195-396	ASAC Cable	N/A	11/6/2025	11/6/2026
566	ACS	OO-190-00-120.0	ASAC Cable	N/A	11/6/2025	11/6/2026
857	ETS Lingren	3117	High Frequency Antenna 1- 18 GHz	00153608	11/24/2025	11/24/2026
AEMC00853	Teseq	CBL6112D	Bilog Antenna; Attenuator	516167	8/7/2025	8/7/2026
AEMC0888	Com Power	PAM 103	Pre-amplifier	18020214	09/30/2025	09/30/2026
TEMC00091	Agilent	E7402A	EMC Analyzer	US39150137	3/24/2026	3/24/2027
193	TUV	N/A	OATS Cable Set	193	5/14/2026	5/14/2027
820	Spirent Communications PLC	GSS7000	Signal generator	70000174	NCR	NCR
211	Eagle	C7RFM3NFNM	FM Band Reject Filter	HLC-700	01/9/2026	01/9/2027

N/A – Not Applicable

NCR – No Calibration Required



2.9 Conducted Emissions

2.9.1 Specification Reference

EN 55032:2015 + A11:2020
EN 301 489-1v2.2.3
FCC 47 CFR Part 15 Sub-Part B
ICES-003:Issue 7
AS/NZS CISPR 32
VCCI CISPR32
CNS 15936:2016
KS C 9832:2024
KS X 3124:2024
QCVN 118:2018
SANS 2332:2017

2.9.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state "0", as noted in §1.6.

2.9.3 Test Voltage / Frequency

100Vac/50Hz
120Vac/60Hz
110Vac/60Hz
200Vac/60Hz
220Vac/60Hz
230Vac/50Hz

2.9.4 Date of Test

5/13/2026

2.9.5 Test Method

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

All power was connected to the EUT through an Artificial Mains Network (AMN). Conducted disturbance voltage measurements on mains lines were made at the output of the AMN. The AMN was placed 0.8 m from the boundary of the EUT and bonded to the reference ground plane.

The EUT was assessed against the Class A limits. The EUT configured with 360kHz Qi2 active was evaluated to all voltages listed in clause 2.9.3 of this report and the worse case was evaluated to the 127kHz Qi2 frequency.

2.9.6 Environmental Conditions

The EUT was evaluated within the temperature and humidity range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient temperature range of 20°C to 40°C and humidity range of 30% to 80%.



2.9.7 Additional Observations

Measurements were performed using TILE Version 7.7.2.4 automated software. The reported level is the actual level with all the correction factors factored in. Correction Factor column is for informational purposes only. See Section 2.9.8 for a sample computation.

2.9.8 Sample Computation (Conducted Emission)

Measuring equipment raw measurement (dB μ V) @ 150 kHz			30.0
Correction Factor (dB)	TEMC00002 - LISN	0.03	10.53
	Cable 1	10.50	
Reported Quasi-peak Final Measurement (dB μ V) @ 150 kHz			40.53

2.9.9 Test Results

Test Summary: EUT operated as intended before, during, and after testing.

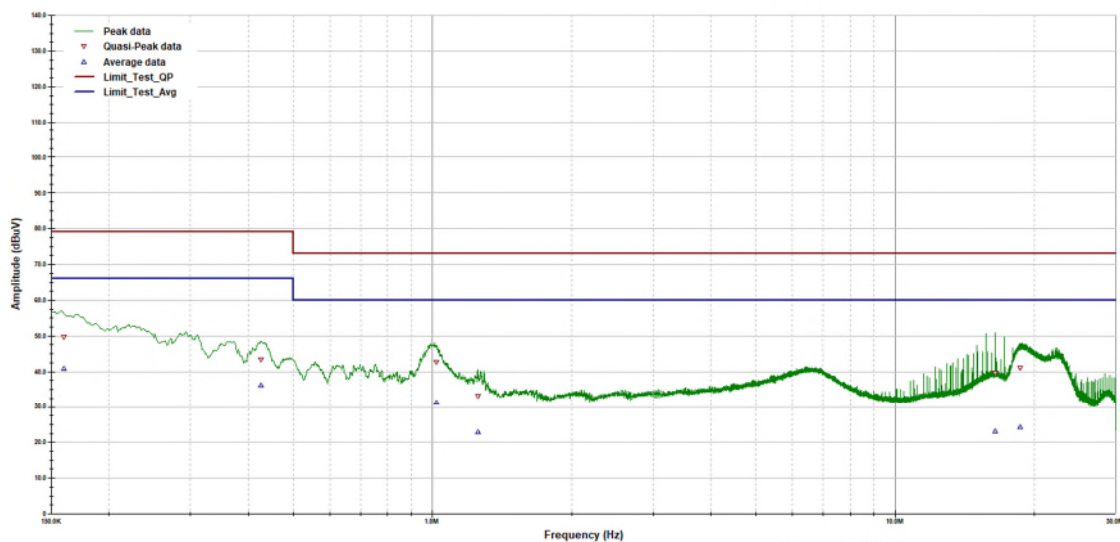
Test Result: Pass

See data below for detailed results.

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 1 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 230Vac/50Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN:TSN:3010
Cable:871

721021340_Phone F2300_CISPR32_230Vac-50Hz_CE_Test_150kHz-30MHz.til

Last Data Update 02:51:28 PM, Wednesday, May 13, 2026

Figure 2.9.9-1 – Graphical Results – AC Mains L1 Plot – 230 VAC/50Hz, 360kHz

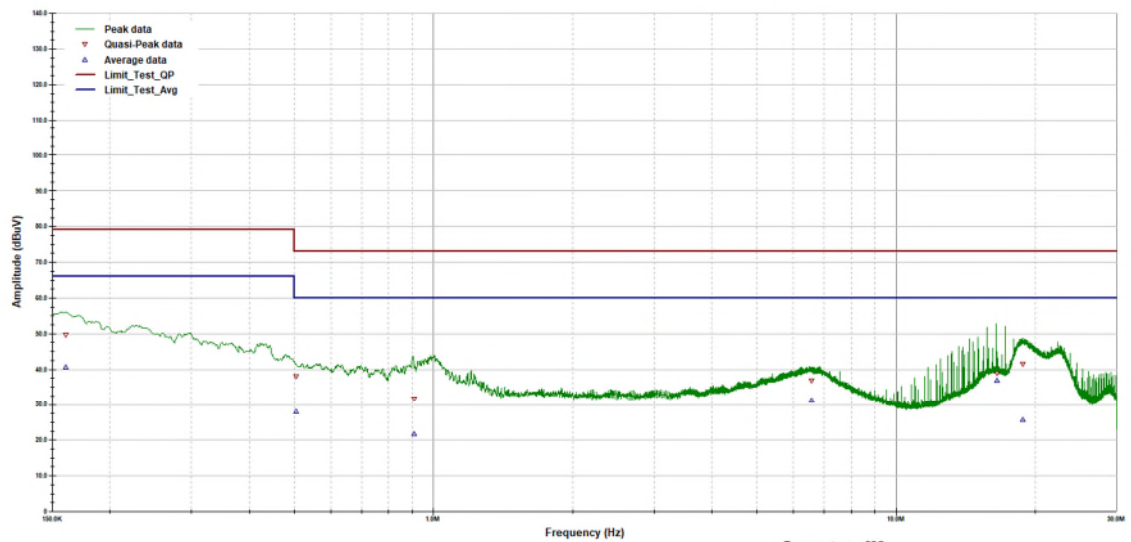
**Table 2.9.9-1 – Conducted Emissions Results on the AC Power Port (L1) – 230 VAC/50Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 1 (QP)						
Operator: KDEUT Name: 721021340: InVue						
2:51:28 PM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.16	79	49.8	40.2	9.602	-29.2	PASS
0.43	79	43.4	33.8	9.613	-35.6	PASS
1.02	73	42.7	33.1	9.642	-30.3	PASS
1.26	73	33	23.4	9.645	-40	PASS
16.49	73	39.6	29.7	9.908	-33.4	PASS
18.66	73	40.9	31	9.893	-32.1	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.16	66	40.7	31.1	9.602	-25.3	PASS
0.43	66	36.2	26.6	9.613	-29.8	PASS
1.02	60	31.3	21.7	9.642	-28.7	PASS
1.26	60	23	13.3	9.645	-37	PASS
16.49	60	23.2	13.3	9.908	-36.8	PASS
18.66	60	24.3	14.4	9.893	-35.7	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 230Vac/50Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 2 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 230Vac/50Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_CISPR32_230Vac-50Hz_CE_Test_150kHz-30MHz.til

Last Data Update 02:47:44 PM, Wednesday, May 13, 2026

Figure 2.9.9-2 – Graphical Results – AC Mains N Plot – 230 VAC/50Hz, 360kHz

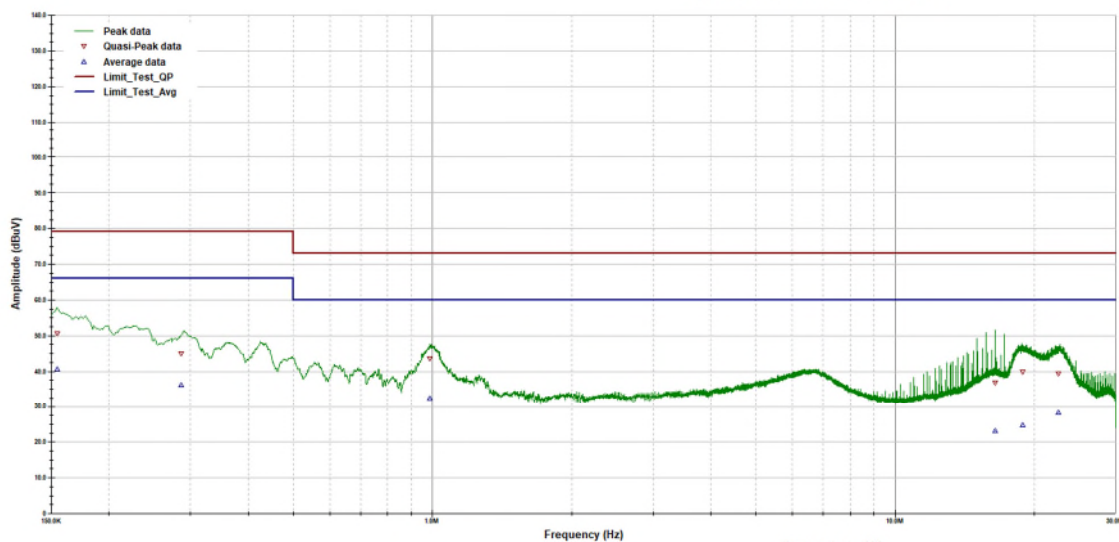
**Table 2.9.9-2 – Conducted Emissions Results on the AC Power Port (N) – 230 VAC/50Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 2 (QP)						
Operator: KDEUT Name: 721021340: InVue						
2:48:13 PM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.16	79	49.8	40.2	9.605	-29.2	PASS
0.5	73	37.9	28.3	9.614	-35.1	PASS
0.91	73	31.7	22	9.64	-41.3	PASS
6.56	73	36.9	27.2	9.797	-36.1	PASS
16.56	73	38.9	29	9.908	-34.1	PASS
18.79	73	41.6	31.7	9.948	-31.4	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.16	66	40.5	30.9	9.605	-25.5	PASS
0.5	60	27.9	18.3	9.614	-32.1	PASS
0.91	60	21.7	12.1	9.64	-38.3	PASS
6.56	60	31.3	21.5	9.797	-28.7	PASS
16.56	60	36.9	27	9.908	-23.1	PASS
18.79	60	25.7	15.7	9.948	-34.3	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 230Vac/50Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 1 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 220Vac/50Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_CISPR32_220Vac-50Hz_CE_Test_150kHz-30MHz.ttl

Last Data Update 02:35:22 PM, Wednesday, May 13, 2026

Figure 2.9.9-3 – Graphical Results – AC Mains L1 Plot – 220 VAC/60Hz, 360kHz

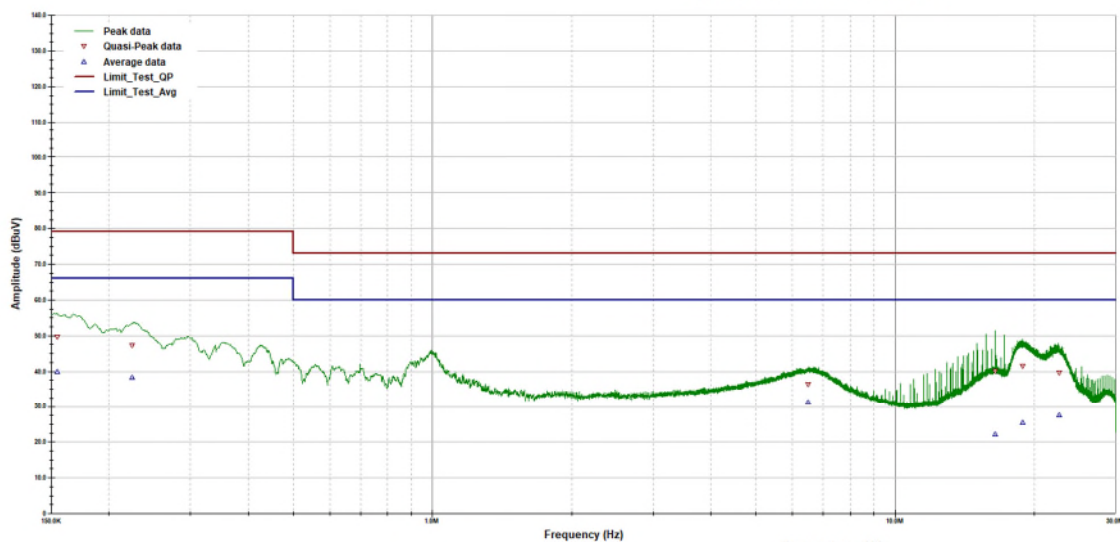
**Table 2.9.9-3 – Conducted Emissions Results on the AC Power Port (L1) – 220 VAC/60Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 1 (QP)						
Operator: KDEUT Name: 721021340: InVue						
2:35:37 PM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	79	50.6	41	9.602	-28.4	PASS
0.29	79	45	35.4	9.606	-34	PASS
0.99	73	43.7	34.1	9.642	-29.3	PASS
16.49	73	36.9	27	9.908	-36.1	PASS
18.84	73	40	30.1	9.859	-33	PASS
22.55	73	39.5	29.6	9.929	-33.5	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	66	40.5	30.9	9.602	-25.5	PASS
0.29	66	36.1	26.5	9.606	-29.9	PASS
0.99	60	32.5	22.8	9.642	-27.5	PASS
16.49	60	23.2	13.3	9.908	-36.8	PASS
18.84	60	24.7	14.9	9.859	-35.3	PASS
22.55	60	28.2	18.2	9.929	-31.8	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 220Vac/50Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 2 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 220Vac/50Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_CISPR32_220Vac-50Hz_CE_Test_150kHz-30MHz.til

Last Data Update 02:40:50 PM, Wednesday, May 13, 2026

Figure 2.9.9-4 – Graphical Results – AC Mains N Plot – 220 VAC/60Hz, 360kHz

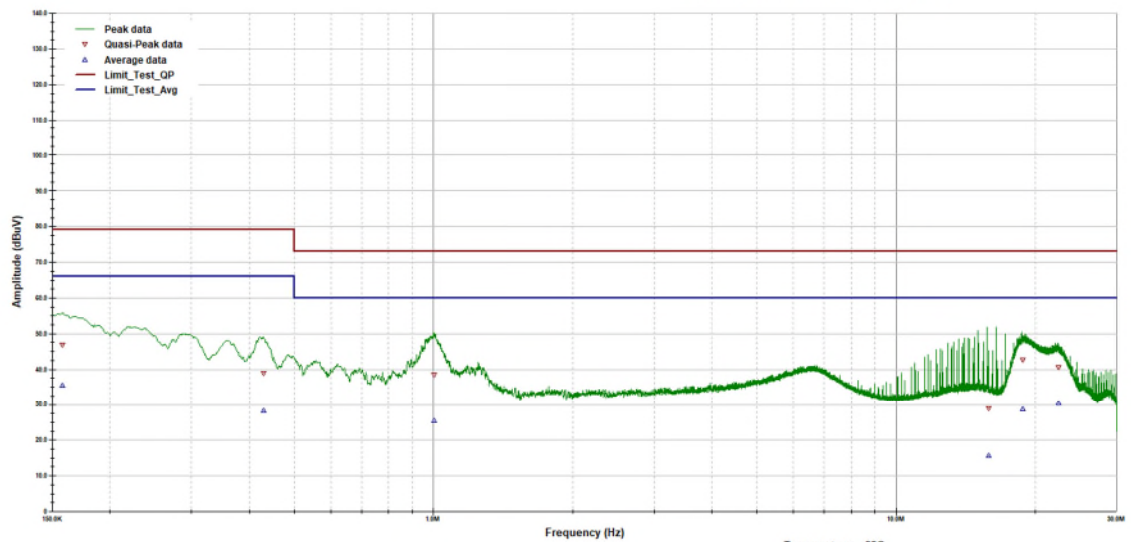
**Table 2.9.9-4 – Conducted Emissions Results on the AC Power Port (N) – 220 VAC/60Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 2 (QP)						
Operator: KDEUT Name: 721021340: InVue						
2:40:50 PM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	79	49.7	40.1	9.604	-29.3	PASS
0.22	79	47.4	37.8	9.61	-31.6	PASS
6.49	73	36.4	26.6	9.795	-36.6	PASS
16.49	73	40	30.1	9.908	-33	PASS
18.89	73	41.6	31.6	9.939	-31.4	PASS
22.62	73	39.6	29.7	9.929	-33.4	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	66	39.8	30.2	9.604	-26.2	PASS
0.22	66	38.2	28.6	9.61	-27.8	PASS
6.49	60	31.3	21.5	9.795	-28.7	PASS
16.49	60	22.1	12.2	9.908	-37.9	PASS
18.89	60	25.3	15.4	9.939	-34.7	PASS
22.62	60	27.5	17.6	9.929	-32.5	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 220Vac/50Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 1 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 200Vac/60Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_CISPR32_200Vac-60Hz_CE_Test_150kHz-30MHz.til

Last Data Update 12:13:05 PM, Wednesday, May 13, 2026

Figure 2.9.9-5 – Graphical Results – AC Mains L1 Plot – 200 VAC/60Hz, 360kHz

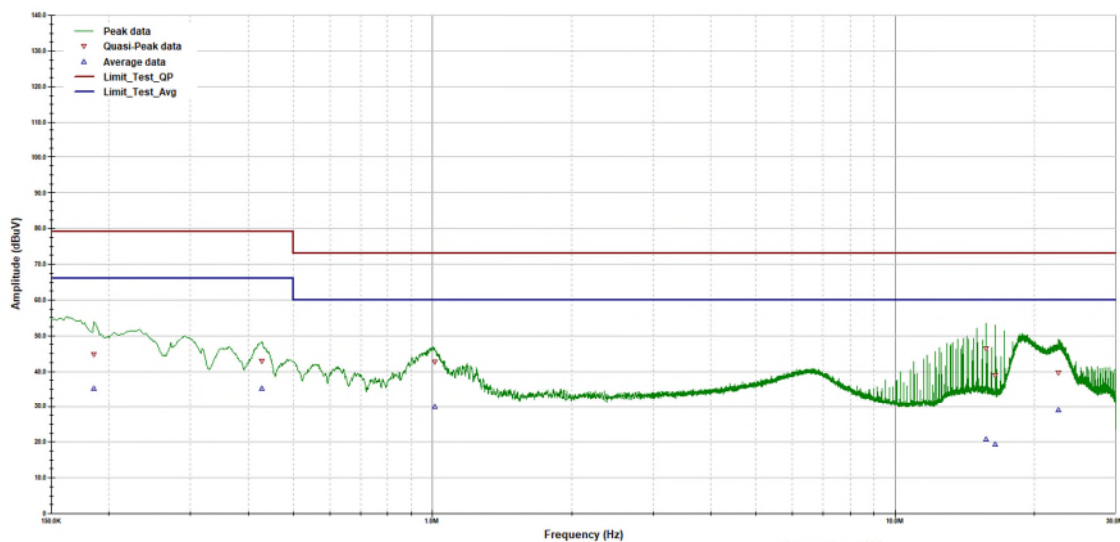
**Table 2.9.9-5 – Conducted Emissions Results on the AC Power Port (L1) – 200 VAC/60Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 1 (QP)						
Operator: KDEUT Name: 721021340: InVue						
12:13:05 PM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.16	79	46.9	37.3	9.602	-32.1	PASS
0.43	79	39	29.4	9.613	-40	PASS
1	73	38.5	28.8	9.642	-34.5	PASS
15.85	73	28.8	18.9	9.902	-44.2	PASS
18.8	73	42.6	32.8	9.867	-30.4	PASS
22.45	73	40.6	30.6	9.93	-32.4	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.16	66	35.4	25.8	9.602	-30.6	PASS
0.43	66	28.2	18.6	9.613	-37.8	PASS
1	60	25.3	15.7	9.642	-34.7	PASS
15.85	60	15.6	5.6	9.902	-44.4	PASS
18.8	60	28.6	18.7	9.867	-31.4	PASS
22.45	60	30.3	20.4	9.93	-29.7	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 200Vac/60Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 2 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 200Vac/60Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_CISPR32_200Vac-60Hz_CE_Test_150kHz-30MHz.ttl

Last Data Update 12:07:48 PM, Wednesday, May 13, 2026

Figure 2.9.9-6 – Graphical Results – AC Mains N Plot – 200 VAC/60Hz, 360kHz

**Table 2.9.9-6 – Conducted Emissions Results on the AC Power Port (N) – 200 VAC/60Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 2 (QP)						
Operator: KDEUT Name: 721021340: InVue						
12:08:56 PM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.19	79	44.7	35.1	9.607	-34.3	PASS
0.43	79	43	33.4	9.616	-36	PASS
1.01	73	42.8	33.1	9.642	-30.2	PASS
15.76	73	46.5	36.6	9.901	-26.5	PASS
16.49	73	38.9	29	9.907	-34.1	PASS
22.59	73	39.7	29.7	9.929	-33.3	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.19	66	35.2	25.6	9.607	-30.8	PASS
0.43	66	35.2	25.6	9.616	-30.8	PASS
1.01	60	29.8	20.1	9.642	-30.2	PASS
15.76	60	20.7	10.8	9.901	-39.3	PASS
16.49	60	19.3	9.4	9.907	-40.7	PASS
22.59	60	29	19.1	9.929	-31	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 200Vac/60Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 1 Results

EUT Name - 721021340: InVue

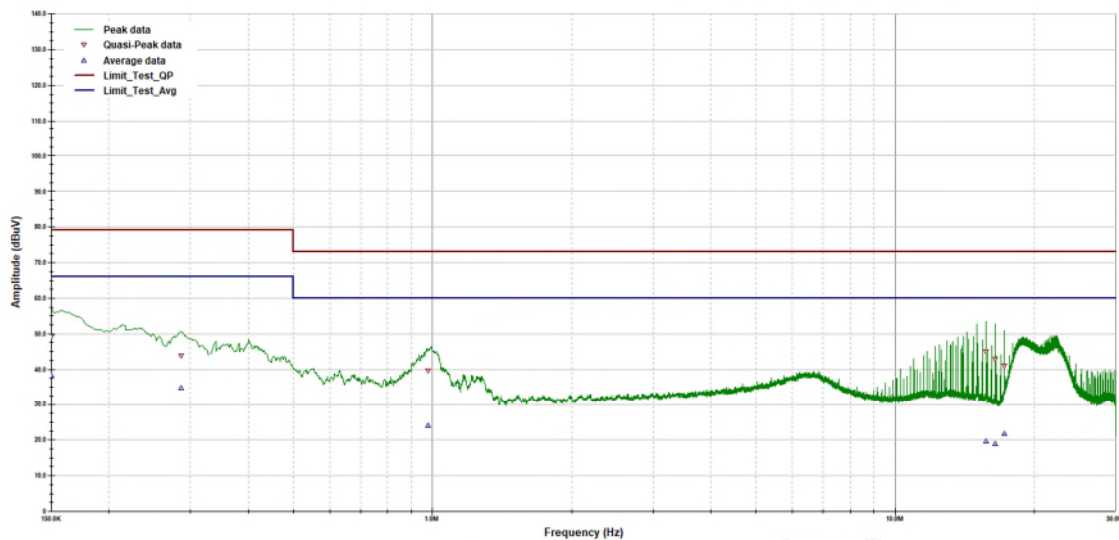
Model Number - Phone

Part Number - FZ300

Serial Number -

Voltage - 110Vac/60Hz

Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not SupportedTemperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ISN:3010
Cable:871

721021340_Phone FZ300_CISPR32_110Vac-60Hz_CE_Test_150kHz-30MHz.ttl

Last Data Update 11:54:22 AM, Wednesday, May 13, 2026

Figure 2.9.9-7 – Graphical Results – AC Mains L1 Plot – 110 VAC/60Hz, 360kHz

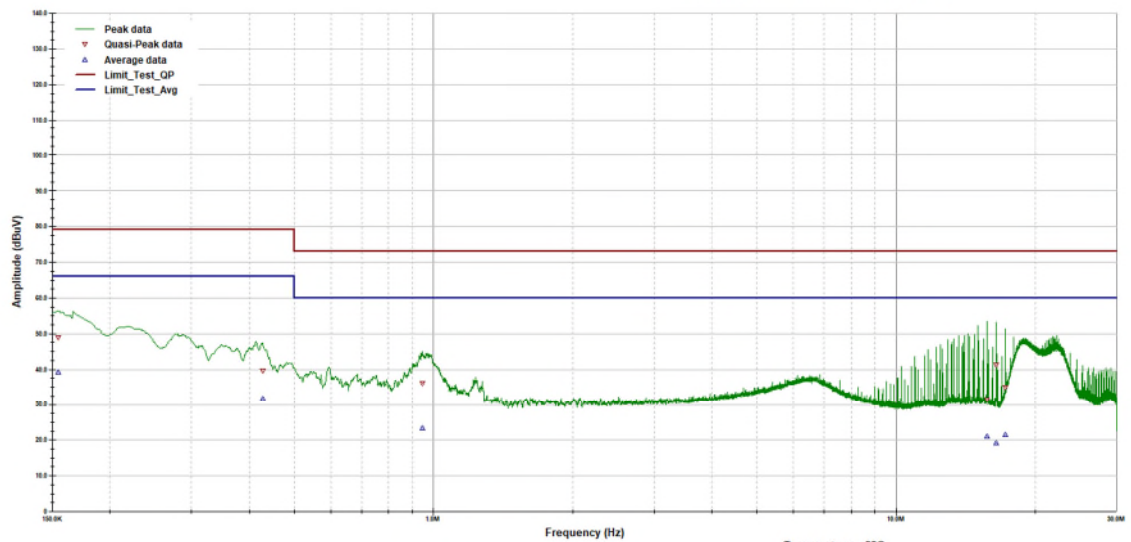
**Table 2.9.9-7 – Conducted Emissions Results on the AC Power Port (L1) – 110 VAC/60Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 1 (QP)						
Operator: KDEUT Name: 721021340: InVue						
11:54:45 AM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	79	49.3	39.7	9.601	-29.7	PASS
0.29	79	43.8	34.2	9.606	-35.2	PASS
0.98	73	39.7	30.1	9.642	-33.3	PASS
15.76	73	45	35.1	9.901	-28	PASS
16.49	73	43	33.1	9.908	-30	PASS
17.23	73	41	31.1	9.936	-32	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	66	38.3	28.7	9.601	-27.7	PASS
0.29	66	34.8	25.2	9.606	-31.2	PASS
0.98	60	24.1	14.4	9.642	-35.9	PASS
15.76	60	19.6	9.7	9.901	-40.4	PASS
16.49	60	19	9.1	9.908	-41	PASS
17.23	60	21.8	11.9	9.936	-38.2	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 110Vac/60Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 2 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 110Vac/60Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_CISPR32_110Vac-60Hz_CE_Test_150kHz-30MHz.til

Last Data Update 11:58:15 AM, Wednesday, May 13, 2026

Figure 2.9.9-8 – Graphical Results – AC Mains N Plot – 110 VAC/60Hz, 360kHz

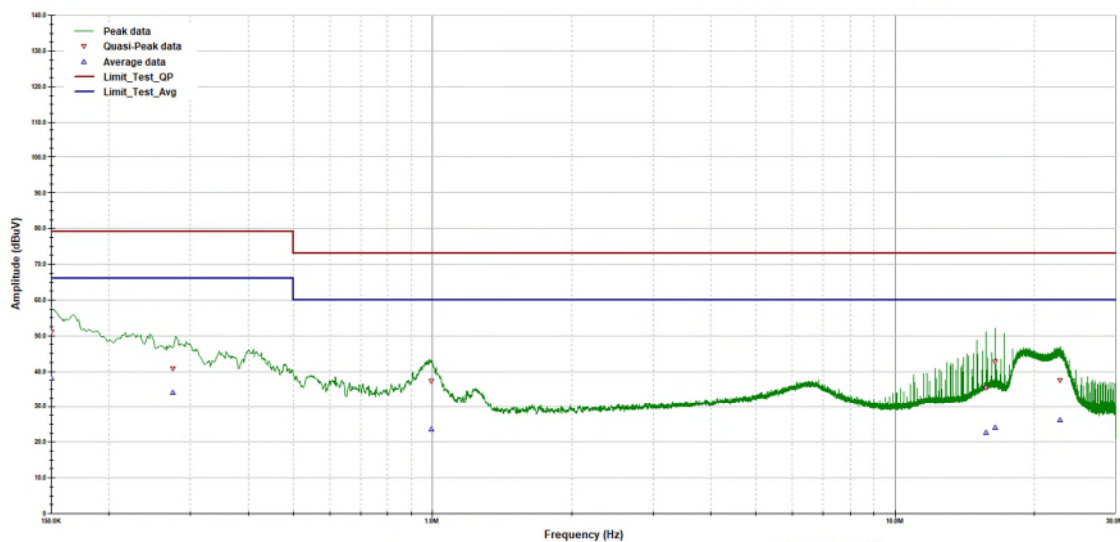
**Table 2.9.9-8 – Conducted Emissions Results on the AC Power Port (N) – 110 VAC/60Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 2 (QP)						
Operator: KDEUT Name: 721021340: InVue						
11:58:15 AM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	79	48.9	39.3	9.604	-30.1	PASS
0.43	79	39.6	30	9.616	-39.4	PASS
0.94	73	36.2	26.5	9.641	-36.8	PASS
15.75	73	31.5	21.6	9.901	-41.5	PASS
16.49	73	41.4	31.5	9.907	-31.6	PASS
17.22	73	35	25	9.935	-38	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	66	39.1	29.5	9.604	-26.9	PASS
0.43	66	31.7	22.1	9.616	-34.3	PASS
0.94	60	23.3	13.7	9.641	-36.7	PASS
15.75	60	21	11.1	9.901	-39	PASS
16.49	60	19.1	9.2	9.907	-40.9	PASS
17.22	60	21.4	11.5	9.935	-38.6	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 110Vac/60Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 1 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 100Vac/50Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_CISPR32_100Vac-50Hz_CE_Test_150kHz-30MHz.til

Last Data Update 02:28:45 PM, Wednesday, May 13, 2026

Figure 2.9.9-9 – Graphical Results – AC Mains L1 Plot – 100 VAC/50Hz, 360kHz

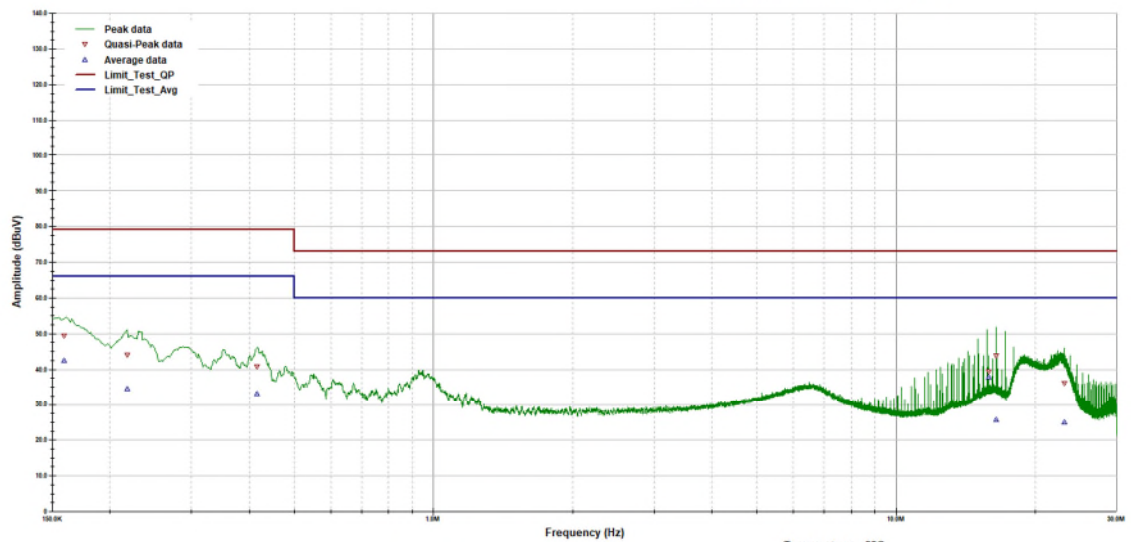
**Table 2.9.9-9 – Conducted Emissions Results on the AC Power Port (L1) – 100 VAC/50Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 1 (QP)						
Operator: KDEUT Name: 721021340: InVue						
2:28:45 PM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	79	51.1	41.5	9.601	-27.9	PASS
0.27	79	40.9	31.3	9.605	-38.1	PASS
1	73	37.4	27.8	9.642	-35.6	PASS
15.75	73	35.5	25.6	9.901	-37.5	PASS
16.49	73	42.7	32.8	9.907	-30.3	PASS
22.71	73	37.5	27.5	9.929	-35.5	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	66	37.9	28.3	9.601	-28.1	PASS
0.27	66	34.1	24.5	9.605	-31.9	PASS
1	60	23.5	13.8	9.642	-36.5	PASS
15.75	60	22.5	12.6	9.901	-37.5	PASS
16.49	60	24.1	14.2	9.907	-35.9	PASS
22.71	60	26.1	16.1	9.929	-33.9	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 100Vac/50Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 2 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 100Vac/50Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_CISPR32_100Vac_50Hz_CE_Test_150kHz-30MHz.til

Last Data Update 02:24:38 PM, Wednesday, May 13, 2026

Figure 2.9.9-10 – Graphical Results – AC Mains N Plot – 100 VAC/50Hz, 360kHz

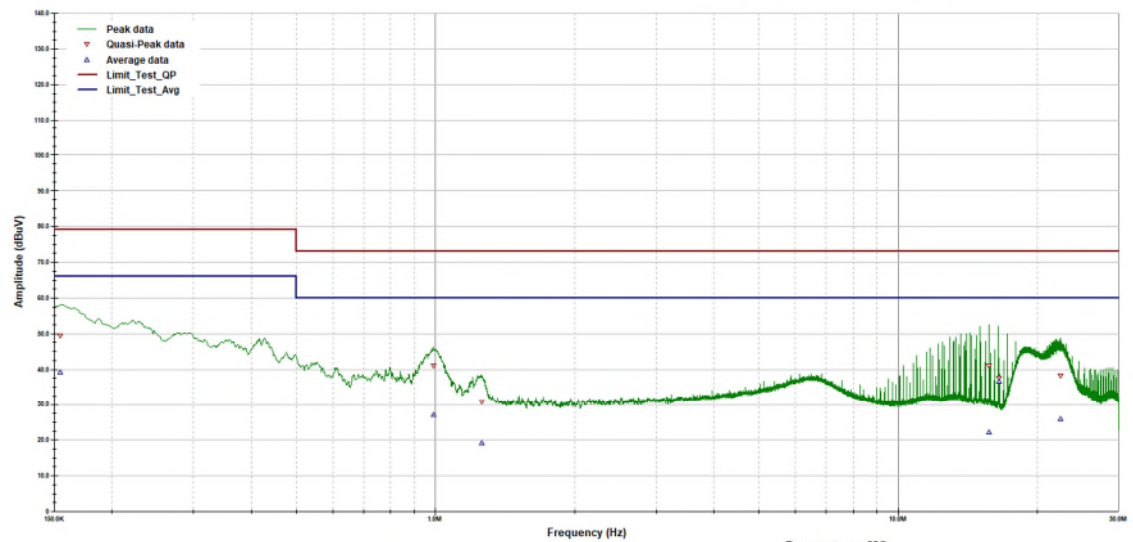
**Table 2.9.9-10 – Conducted Emissions Results on the AC Power Port (N) – 100 VAC/50Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 2 (QP)						
Operator: KDEUT Name: 721021340: InVue						
2:24:53 PM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.16	79	49.3	39.7	9.605	-29.7	PASS
0.22	79	44.2	34.5	9.609	-34.8	PASS
0.41	79	40.9	31.3	9.617	-38.1	PASS
15.84	73	39.4	29.5	9.902	-33.6	PASS
16.49	73	43.9	34	9.908	-29.1	PASS
23.11	73	36.2	26.3	9.928	-36.8	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.16	66	42.4	32.8	9.605	-23.6	PASS
0.22	66	34.6	25	9.609	-31.4	PASS
0.41	66	33	23.4	9.617	-33	PASS
15.84	60	37.7	27.8	9.902	-22.3	PASS
16.49	60	25.5	15.6	9.908	-34.5	PASS
23.11	60	24.9	15	9.928	-35.1	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 100Vac/50Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**FCC Part 15 Subpart B Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 1 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 120Vac/60Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_FCC Part 15_120Vac-60Hz_CE_Test_150kHz-30MHz.ttl

Last Data Update 11:43:49 AM, Wednesday, May 13, 2026

Figure 2.9.9-11 – Graphical Results – AC Mains L1 Plot – 120 VAC/60Hz, 360kHz

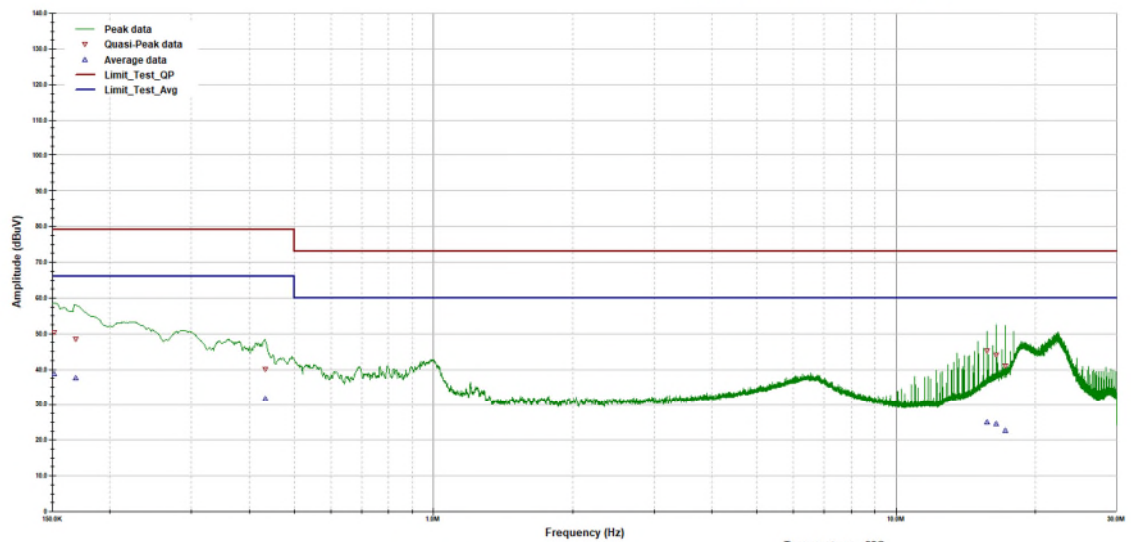
**Table 2.9.9-11 – Conducted Emissions Results on the AC Power Port (L1) – 120 VAC/60Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 1 (QP)						
Operator: KDEUT Name: 721021340: InVue						
11:43:49 AM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	79	49.5	39.9	9.602	-29.5	PASS
0.99	73	41	31.3	9.642	-32	PASS
1.26	73	30.7	21	9.645	-42.3	PASS
15.75	73	40.9	31	9.901	-32.1	PASS
16.56	73	37.6	27.7	9.908	-35.4	PASS
22.49	73	38.2	28.3	9.93	-34.8	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	66	39.2	29.6	9.602	-26.8	PASS
0.99	60	27	17.4	9.642	-33	PASS
1.26	60	19.2	9.5	9.645	-40.8	PASS
15.75	60	22.2	12.3	9.901	-37.8	PASS
16.56	60	36.6	26.7	9.908	-23.4	PASS
22.49	60	25.8	15.8	9.93	-34.2	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 120Vac/60Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**FCC Part 15 Subpart B Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 2 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 120Vac/60Hz
Operating Mode - Powered ON: Light ON: 360kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_FCC Part 15_120Vac-60Hz_CE_Test_150kHz-30MHz.til

Last Data Update 11:35:08 AM, Wednesday, May 13, 2026

Figure 2.9.9-12 – Graphical Results – AC Mains N Plot – 120 VAC/60Hz, 360kHz

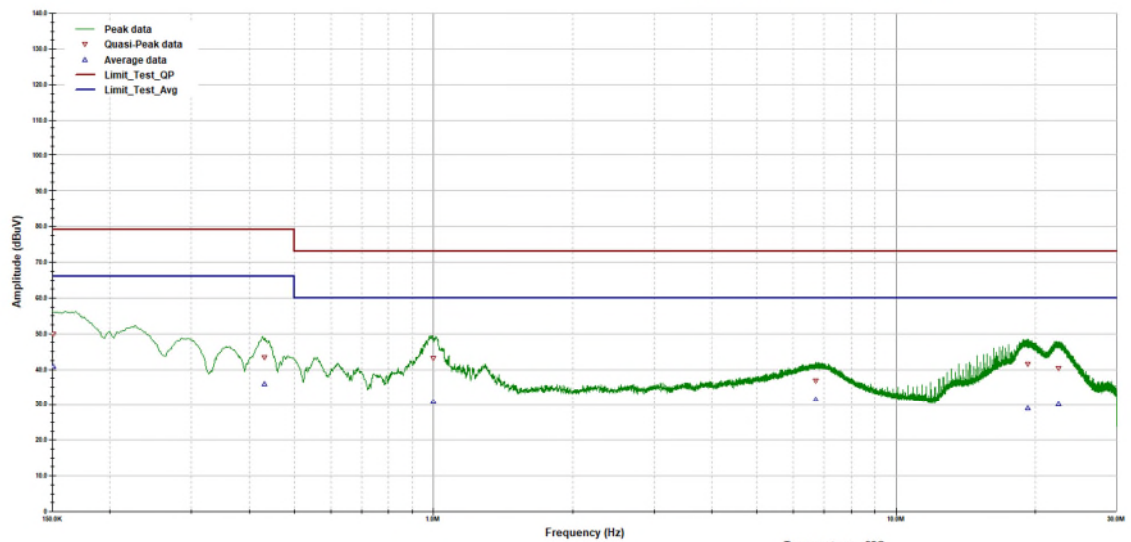
**Table 2.9.9-12 – Conducted Emissions Results on the AC Power Port (N) – 120 VAC/60Hz, 360kHz**

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 2 (QP)						
Operator: KDEUT Name: 721021340: InVue						
11:37:08 AM	Wednesday	May 13	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	79	50.3	40.7	9.604	-28.7	PASS
0.17	79	48.5	38.9	9.605	-30.5	PASS
0.43	79	40	30.4	9.616	-39	PASS
15.76	73	45.3	35.4	9.901	-27.7	PASS
16.49	73	44.1	34.2	9.908	-28.9	PASS
17.23	73	41.1	31.2	9.936	-31.9	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	66	38.7	29.1	9.604	-27.3	PASS
0.17	66	37.6	28	9.605	-28.4	PASS
0.43	66	31.6	22	9.616	-34.4	PASS
15.76	60	24.9	15	9.901	-35.1	PASS
16.49	60	24.4	14.5	9.908	-35.6	PASS
17.23	60	22.6	12.7	9.936	-37.4	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 120Vac/60Hz						
Operating Mode - Powered ON: Light ON: 360kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 1 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 200Vac/60Hz
Operating Mode - Powered ON: Light ON: 127kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/ITSN:3010
Cable:871

721021340_Phone F2300_CISPR32_200Vac-60Hz_CE_Test_150kHz-30MHz.til

Last Data Update 03:21:48 PM, Thursday, May 14, 2026

Figure 2.9.9-13 – Graphical Results – AC Mains L1 Plot – 200 VAC/60Hz – 127kHz Configuration



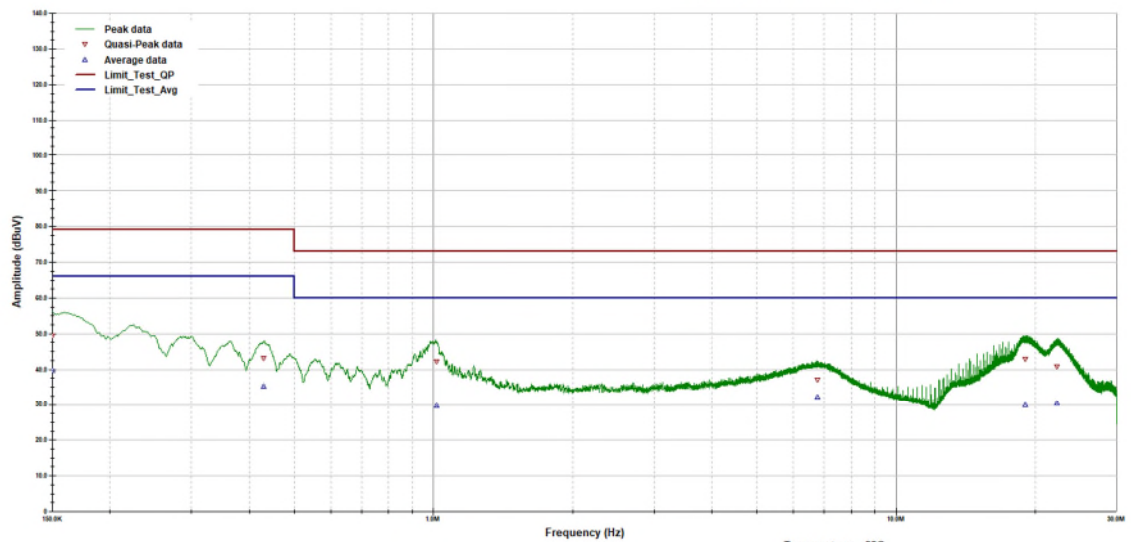
Table 2.9.9-13 – Conducted Emissions Results on the AC Power Port (L1) – 200 VAC/60Hz – 127kHz Configuration

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 1 (QP)						
Operator: KDEUT Name: 721021340: InVue						
3:22:21 PM	Thursday	May 14	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	79	49.8	40.2	9.602	-29.2	PASS
0.43	79	43.5	33.9	9.613	-35.5	PASS
1	73	43.2	33.5	9.642	-29.8	PASS
6.71	73	36.7	26.9	9.802	-36.3	PASS
19.26	73	41.5	31.7	9.857	-31.5	PASS
22.47	73	40.3	30.4	9.93	-32.7	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	66	40.8	31.2	9.602	-25.2	PASS
0.43	66	36	26.4	9.613	-30	PASS
1	60	30.7	21.1	9.642	-29.3	PASS
6.71	60	31.5	21.7	9.802	-28.5	PASS
19.26	60	28.9	19	9.857	-31.1	PASS
22.47	60	30.1	20.2	9.93	-29.9	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 200Vac/60Hz						
Operating Mode - Powered ON: Light ON: 127kHz						

**CISPR32 Class A****Conducted RF Emissions, 150 kHz to 30 MHz**

Line Under Test Number 2 Results

EUT Name - 721021340: InVue
Model Number - Phone
Part Number - F2300
Serial Number -
Voltage - 200Vac/60Hz
Operating Mode - Powered ON: Light ON: 127kHz



Operator: KD

RF Bandwidth: 9kHz(6dB)
VBW if Analyzer: Not Supported

Temperature = 22C
Relative Humidity = 43%
TEST EQUIPMENT:
LISN/TSN:3010
Cable:871

721021340_Phone F2300_CISPR32_200Vac-60Hz_CE_Test_150kHz-30MHz.til

Last Data Update 03:27:56 PM, Thursday, May 14, 2026

Figure 2.9.9-14 – Graphical Results – AC Mains N Plot – 200 VAC/60Hz – 127kHz Configuration



Table 2.9.9-14 – Conducted Emissions Results on the AC Power Port (N) – 200 VAC/60Hz – 127kHz Configuration

CISPR 32/FCC Part 15	Class A					
Conducted RF Emissions	150 kHz to 30 MHz					
Line Under Test Number 2 (QP)						
Operator: KDEUT Name: 721021340: InVue						
3:27:56 PM	Thursday	May 14	2026			
Frequency	QP Limit	QP Level Corr	QP Level	CF	QP Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	79	49.5	39.9	9.604	-29.5	PASS
0.43	79	43.1	33.5	9.616	-35.9	PASS
1.01	73	42.3	32.7	9.642	-30.7	PASS
6.76	73	37.2	27.4	9.803	-35.8	PASS
19.06	73	42.8	32.9	9.929	-30.2	PASS
22.27	73	40.8	30.9	9.93	-32.2	PASS
Frequency	Avg Limit	Avg Level Corr	Avg Level	CF	Avg Margin	Result
MHz	dBuV	dBuV	dBuV	dB	dB	
0.15	66	39.6	30	9.604	-26.4	PASS
0.43	66	35.2	25.6	9.616	-30.8	PASS
1.01	60	29.5	19.9	9.642	-30.5	PASS
6.76	60	32.1	22.3	9.803	-27.9	PASS
19.06	60	29.8	19.9	9.929	-30.2	PASS
22.27	60	30.2	20.3	9.93	-29.8	PASS
Temperature = 22C						
Relative Humidity = 43%						
EUT Name - 721021340: InVue						
Model Number - Phone						
Part Number - F2300						
Serial Number -						
Voltage - 200Vac/60Hz						
Operating Mode - Powered ON: Light ON: 127kHz						

2.9.10 Conducted Emissions Test Set-up Photos



Photo 2.9.10-1 – Front View of the Test Setup



2.9.11 Test Location and Test Equipment Used

The tests were carried out in Alpharetta, GA.

Table 2.9.11-1 – Conducted Emissions Test Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
618	Rohde & Schwarz	EPL1000	EMI TEST RECEIVER	101086	8/18/2025	8/18/2026
3010	Rohde & Schwarz	ENV216	Two-Line V-Network	3010	6/12/2025	6/12/2026
871	ACS	n/a	Conducted EMI Cable	871	3/24/2026	3/24/2027
494	Omega	iBTHX-W	Temp/Humidity Meter	9460211	2/10/2025	2/10/2027



2.10 Harmonic current emissions

2.10.1 Specification Reference

EN 61000-3-2:2014

Note: Results only relevant if EUT is connected to public low-voltage distribution system.

2.10.2 Equipment Under Test and Modification State As listed in Section 1.2

As shown in §1.4 with modification state "0", as noted in §1.6.

2.10.3 Test Voltage / Frequency

230 VAC, 50 Hz

2.10.4 Date of Test

5/18/2026

2.10.5 Test Method

Harmonic current test should be conducted with the user's operation control or automatic programs set to the mode expected to produce the maximum total harmonic current under normal operating conditions.

Specific test conditions for the measurement of harmonic currents associated with some types of equipment are given in EN 61000-3-2 Annex C.

2.10.6 Environmental Conditions

The EUT was evaluated within the climatic range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient climatic conditions of the laboratory.



2.10.7 Test Results

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

See data below for detailed results.



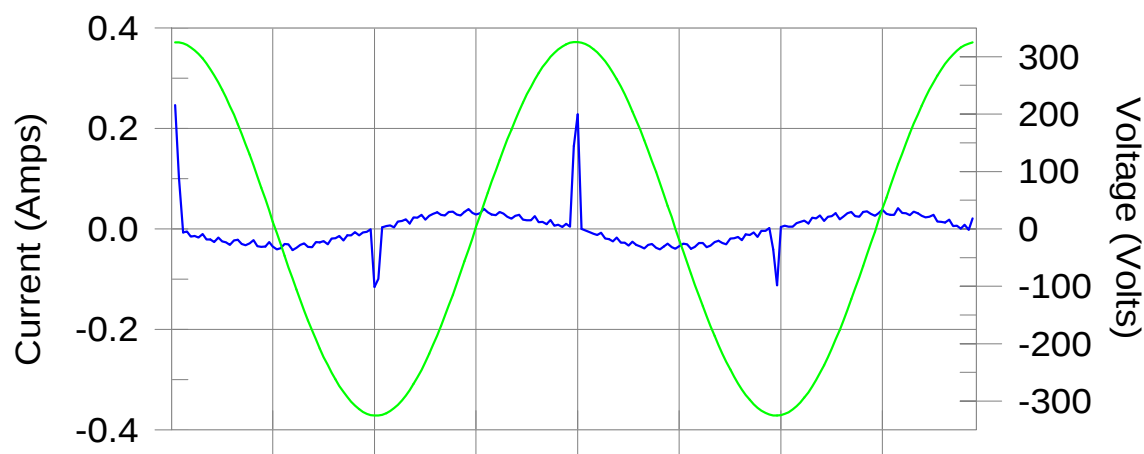
Table 2.10.7-1 – Current Harmonic Emissions Test Results
Harmonics – Class-A per Ed. 4.0 (2014)(Run time) incl. inter-harmonics

EUT: InVue F2300
Test category: Class-A per Ed. 4.0 (2014) (European limits)
Test date: 5/18/2026
Test duration (min): 10
Comment: 360kHz Wireless Charging
Customer: 721021392 InVue

Tested by: JV
Test Margin: 100
Start time: 9:56:00 AM
End time: 10:06:11 AM
Data file name: H-000111.cts_data

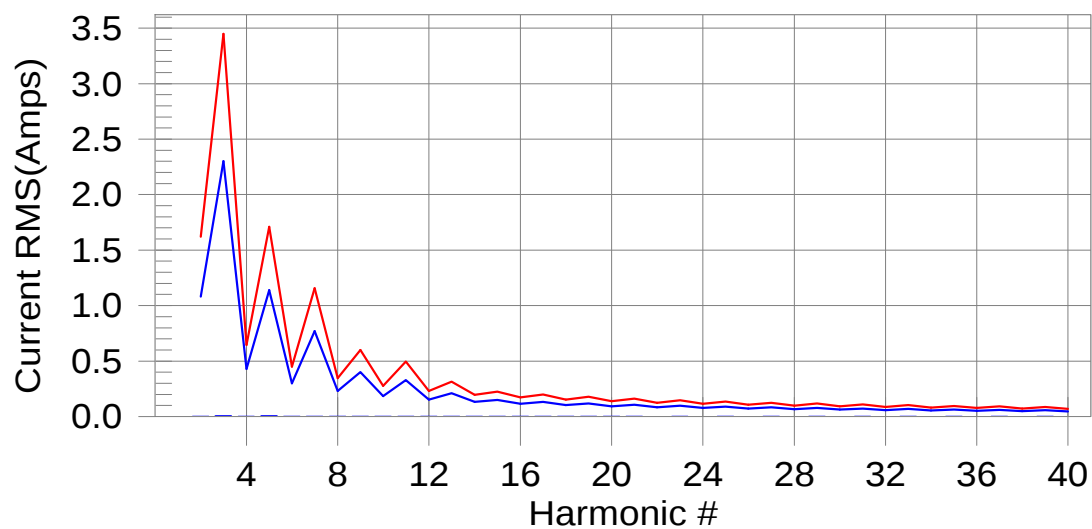
Test Result: Pass Source qualification: Normal

Current & voltage waveforms



Harmonics and Class A limit line

European Limits



Test result: Pass Worst harmonics H0-0.0% of 150% limit, H0-0% of 100% limit



Current Test Result Summary (Run time)

EUT: InVue F2300 Tested by: JV
 Test category: Class-A per Ed. 4.0 (2014) (European limits) Test Margin: 100
 Test date: 5/18/2026 Start time: 9:56:00 AM End time: 10:06:11 AM
 Test duration (min): 10 Data file name: H-000111.cts_data
 Comment: 360kHz Wireless Charging
 Customer: 721021392 InVue

Test Result: Pass Source qualification: Normal
 THC(A): 0.016 I-THD(%): 65.9 POHC(A): 0.010 POHC Limit(A): 0.251

Highest parameter values during test:

V_RMS (Volts): 230.19	Frequency(Hz): 50.00
I_Peak (Amps): 0.287	I_RMS (Amps): 0.035
I_Fund (Amps): 0.024	Crest Factor: 8.948
Power (Watts): 0.9	Power Factor: 0.168

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.002	1.080	N/A	0.002	1.620	N/A	Pass
3	0.004	2.300	N/A	0.004	3.450	N/A	Pass
4	0.002	0.430	N/A	0.002	0.645	N/A	Pass
5	0.004	1.140	N/A	0.004	1.710	N/A	Pass
6	0.001	0.300	N/A	0.002	0.450	N/A	Pass
7	0.004	0.770	N/A	0.004	1.155	N/A	Pass
8	0.001	0.230	N/A	0.002	0.345	N/A	Pass
9	0.004	0.400	N/A	0.004	0.600	N/A	Pass
10	0.001	0.184	N/A	0.002	0.276	N/A	Pass
11	0.004	0.330	N/A	0.004	0.495	N/A	Pass
12	0.001	0.153	N/A	0.002	0.230	N/A	Pass
13	0.004	0.210	N/A	0.004	0.315	N/A	Pass
14	0.001	0.131	N/A	0.002	0.197	N/A	Pass
15	0.004	0.150	N/A	0.004	0.225	N/A	Pass
16	0.001	0.115	N/A	0.002	0.173	N/A	Pass
17	0.004	0.132	N/A	0.004	0.198	N/A	Pass
18	0.001	0.102	N/A	0.002	0.153	N/A	Pass
19	0.004	0.118	N/A	0.004	0.178	N/A	Pass
20	0.001	0.092	N/A	0.001	0.138	N/A	Pass
21	0.004	0.107	N/A	0.004	0.161	N/A	Pass
22	0.001	0.084	N/A	0.001	0.125	N/A	Pass
23	0.003	0.098	N/A	0.004	0.147	N/A	Pass
24	0.001	0.077	N/A	0.001	0.115	N/A	Pass
25	0.003	0.090	N/A	0.003	0.135	N/A	Pass
26	0.001	0.071	N/A	0.001	0.107	N/A	Pass
27	0.003	0.083	N/A	0.003	0.125	N/A	Pass
28	0.001	0.066	N/A	0.001	0.099	N/A	Pass
29	0.003	0.078	N/A	0.003	0.116	N/A	Pass
30	0.001	0.061	N/A	0.001	0.092	N/A	Pass
31	0.003	0.073	N/A	0.003	0.109	N/A	Pass
32	0.001	0.058	N/A	0.001	0.086	N/A	Pass
33	0.003	0.068	N/A	0.003	0.102	N/A	Pass
34	0.001	0.054	N/A	0.001	0.081	N/A	Pass
35	0.003	0.064	N/A	0.003	0.096	N/A	Pass
36	0.001	0.051	N/A	0.001	0.077	N/A	Pass
37	0.003	0.061	N/A	0.003	0.091	N/A	Pass
38	0.001	0.048	N/A	0.001	0.073	N/A	Pass
39	0.002	0.058	N/A	0.002	0.087	N/A	Pass
40	0.001	0.046	N/A	0.001	0.069	N/A	Pass



Voltage Source Verification Data (Run time)

EUT: InVue F2300
 Test category: Class-A per Ed. 4.0 (2014) (European limits)
 Test date: 5/18/2026
 Test duration (min): 10
 Comment: 360kHz Wireless Charging
 Customer: 721021392 InVue

Tested by: JV
 Test Margin: 100
 End time: 10:06:11 AM

Start time: 9:56:00 AM
 Data file name: H-000111.cts_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 230.19	Frequency(Hz): 50.00
I_Peak (Amps): 0.287	I_RMS (Amps): 0.035
I_Fund (Amps): 0.024	Crest Factor: 8.948
Power (Watts): 0.9	Power Factor: 0.168

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.100	0.460	21.73	OK
3	0.511	2.072	24.69	OK
4	0.033	0.460	7.10	OK
5	0.025	0.921	2.71	OK
6	0.018	0.460	3.86	OK
7	0.026	0.691	3.73	OK
8	0.018	0.460	3.97	OK
9	0.024	0.460	5.28	OK
10	0.012	0.460	2.64	OK
11	0.023	0.230	9.90	OK
12	0.016	0.230	7.02	OK
13	0.016	0.230	6.91	OK
14	0.008	0.230	3.49	OK
15	0.007	0.230	3.13	OK
16	0.015	0.230	6.71	OK
17	0.010	0.230	4.29	OK
18	0.016	0.230	7.10	OK
19	0.007	0.230	3.21	OK
20	0.023	0.230	9.91	OK
21	0.009	0.230	3.74	OK
22	0.007	0.230	3.08	OK
23	0.005	0.230	2.29	OK
24	0.007	0.230	3.15	OK
25	0.007	0.230	3.15	OK
26	0.007	0.230	2.97	OK
27	0.006	0.230	2.54	OK
28	0.007	0.230	3.10	OK
29	0.004	0.230	1.92	OK
30	0.005	0.230	2.27	OK
31	0.005	0.230	2.14	OK
32	0.005	0.230	2.38	OK
33	0.007	0.230	3.25	OK
34	0.002	0.230	0.74	OK
35	0.006	0.230	2.40	OK
36	0.005	0.230	2.03	OK
37	0.006	0.230	2.54	OK
38	0.002	0.230	1.02	OK
39	0.005	0.230	1.96	OK
40	0.016	0.230	6.89	OK

2.10.8 Test Set-up Photographs



Photo 2.10.8-1 – Harmonic Current Test Set-up



2.10.9 Test Location and Test Equipment Used

This test was carried out in Alpharetta, GA.

Table 2.10.9-1 – Harmonic Current Emissions Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
AEMC903	California Instruments	5001 ix	AC power Supply used in F&H setup	HK54122	4/30/2026	4/30/2028
AEMC00421	California Instruments	PACS-1	Flicker and Harmonics Analyzer	X71918	4/30/2026	4/30/2028

N/A – Not Applicable

NCR – No Calibration Required

Table 2.10.9-2 – Test Equipment Module and Firmware List

Asset ID	Manufacturer	Model	Modules	Firmware Version	Serial Number
AEMC903	California Instruments	5001 ix	-	Rev 2.12	HK54122



2.11 Voltage fluctuations and flicker

2.11.1 Specification Reference

EN 61000-3-3:2013

Note: Results only relevant if EUT is connected to public low-voltage distribution system.

2.11.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state "0", as noted in §1.6.

2.11.3 Test Voltage / Frequency

230 VAC, 50 Hz

2.11.4 Date of Test

5/18/2026

2.11.5 Test Method

The object of this standard is to establish a common reference for measuring the effects of voltage fluctuations and flicker impressed on the public low-voltage system.

2.11.6 Environmental Conditions

The EUT was evaluated within the climatic range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient climatic conditions of the laboratory.

2.11.7 Test Results

Test Summary: EUT operated as intended before, during, and after testing.

Test Result: Pass

See data below for detailed results.



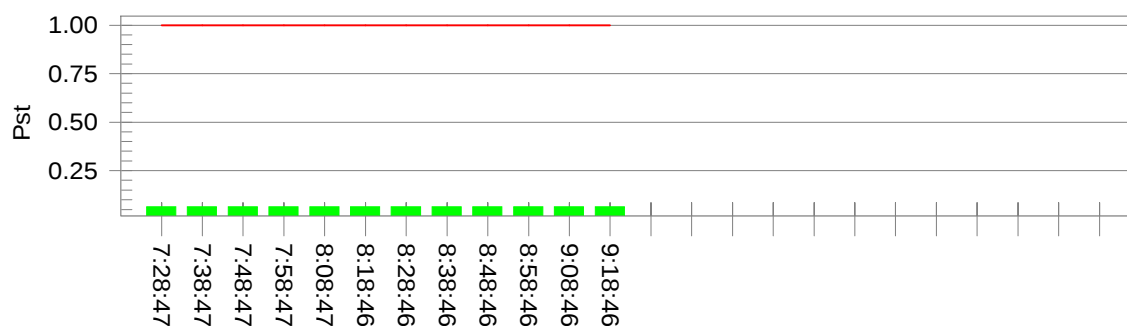
Table 2.11.7-1 – Flicker Test Results

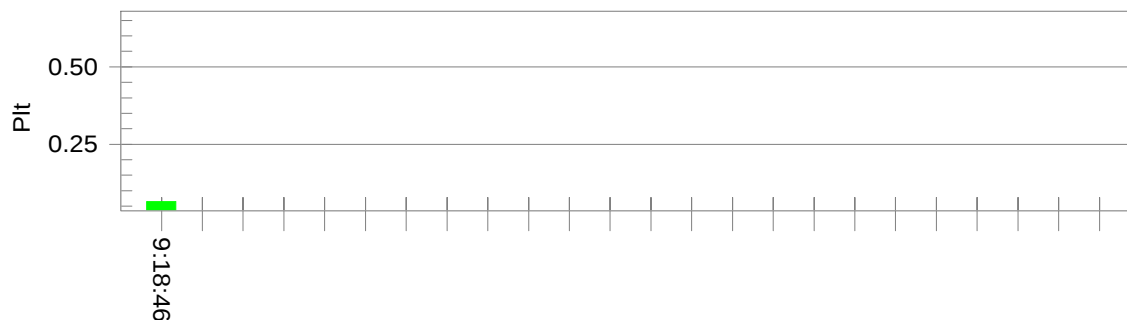
Flicker Test Summary per EN/IEC61000-3-3 Ed. 3.0 (2013) (Run time)

EUT: InVue F2300	Tested by: JV
Test category: All parameters (European limits)	Test Margin: 100
Test date: 5/18/2026	Start time: 7:18:26 AM
Test duration (min): 120	End time: 9:19:59 AM
Comment: 360kHz Wireless Charging	Data file name: F-000110.cts_data
Customer: 721021392 InVue	

Test Result: Pass

Status: Test Completed

Pst_i and limit lineEuropean Limits

**Plt and limit line****Parameter values recorded during the test:**

Vrms at the end of test (Volt): 230.07

T-max (mS): 0

Highest dc (%): 0.00

Highest dmax (%): 0.00

Highest Pst (10 min. period): 0.064

Highest Plt (2 hr. period): 0.064

Test limit (mS): 500.0 Pass

Test limit (%): 3.30 Pass

Test limit (%): 4.00 Pass

Test limit: 1.000 Pass

Test limit: 0.650 Pass

2.11.8 Test Set-up Photographs



Photo 2.11.8-1 – Flicker Test Set-up



2.11.9 Test Location and Test Equipment Used

This test was carried out in Alpharetta, GA.

Table 2.11.9-1 – Flicker Equipment List

Asset ID	Manufacturer	Model	Equipment Type	Serial Number	Last Calibration Date	Calibration Due Date
AEMC903	California Instruments	5001 ix	AC power Supply used in F&H setup	HK54122	4/30/2026	4/30/2028
AEMC00421	California Instruments	PACS-1	Flicker and Harmonics Analyzer	X71918	4/30/2026	4/30/2028

Table 2.11.9-2 – Test Equipment Module and Firmware List

Asset ID	Manufacturer	Model	Modules	Firmware Version	Serial Number
AEMC903	California Instruments	5001 ix	-	Rev 2.12	HK54122

N/A – Not Applicable

NCR – No Calibration Required

3 Diagram of Test Set-ups

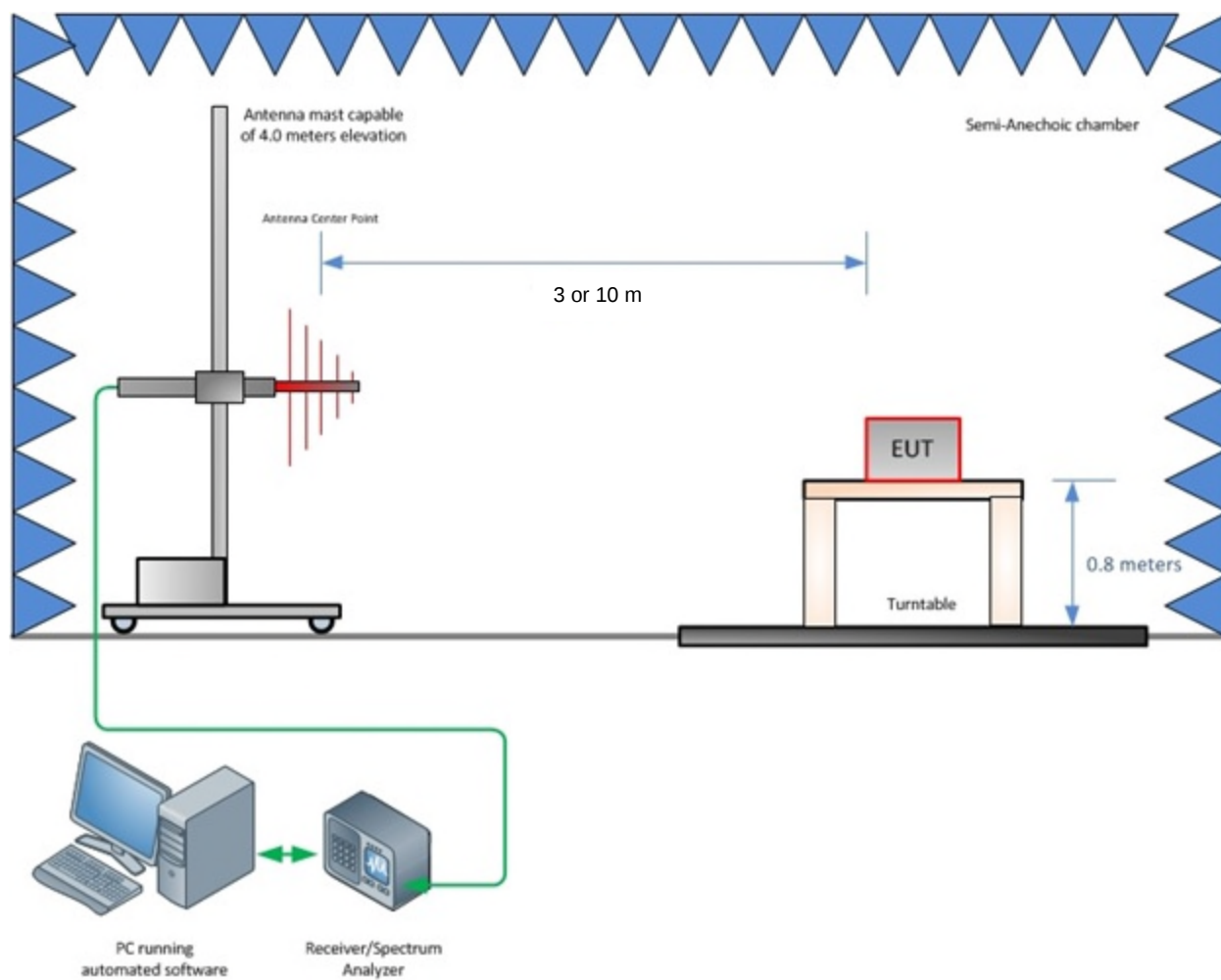


Figure 3-1 – Radiated Emissions Test Setup up to 1 GHz

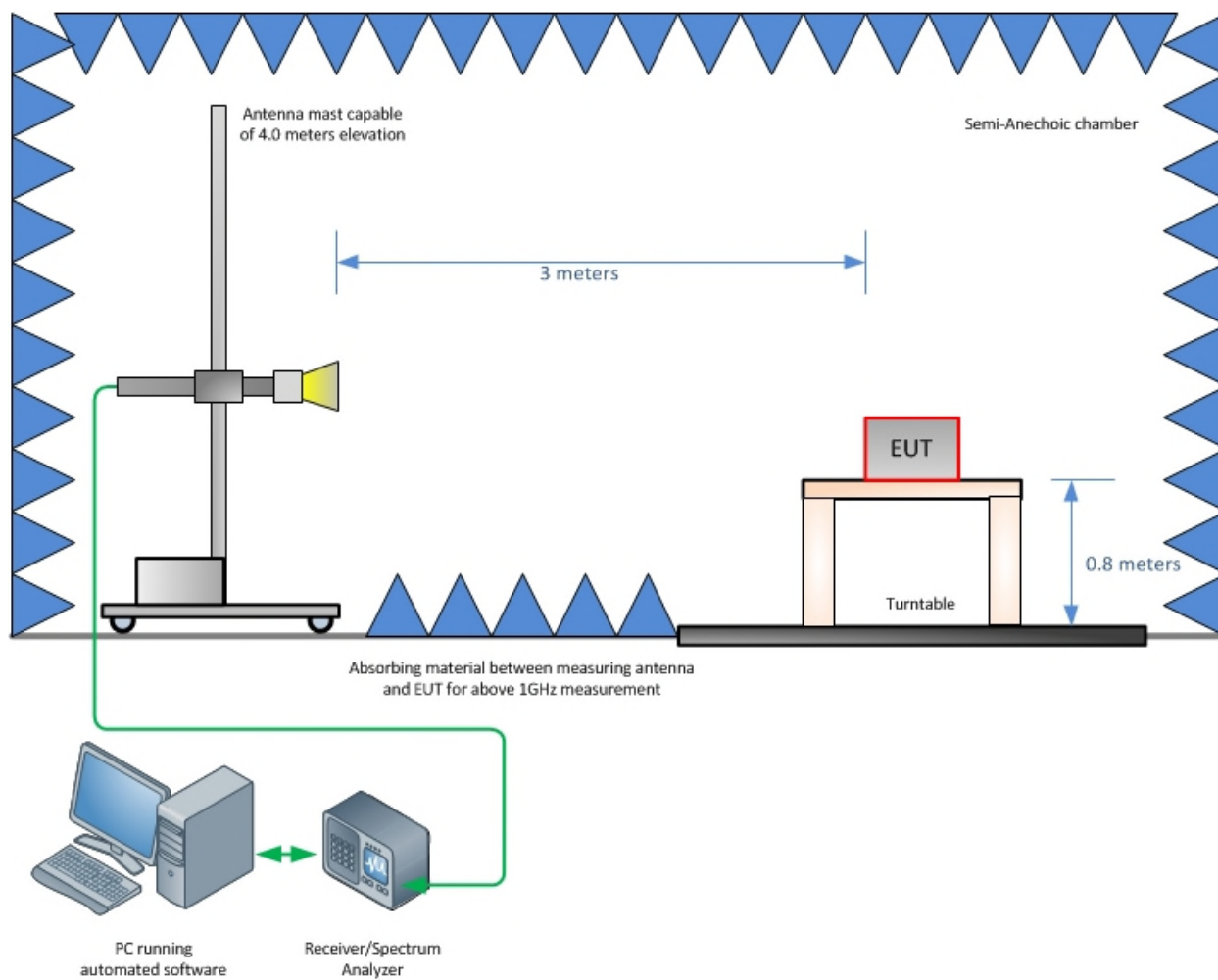


Figure 3-2 – Radiated Emissions Test Setup above 1 GHz

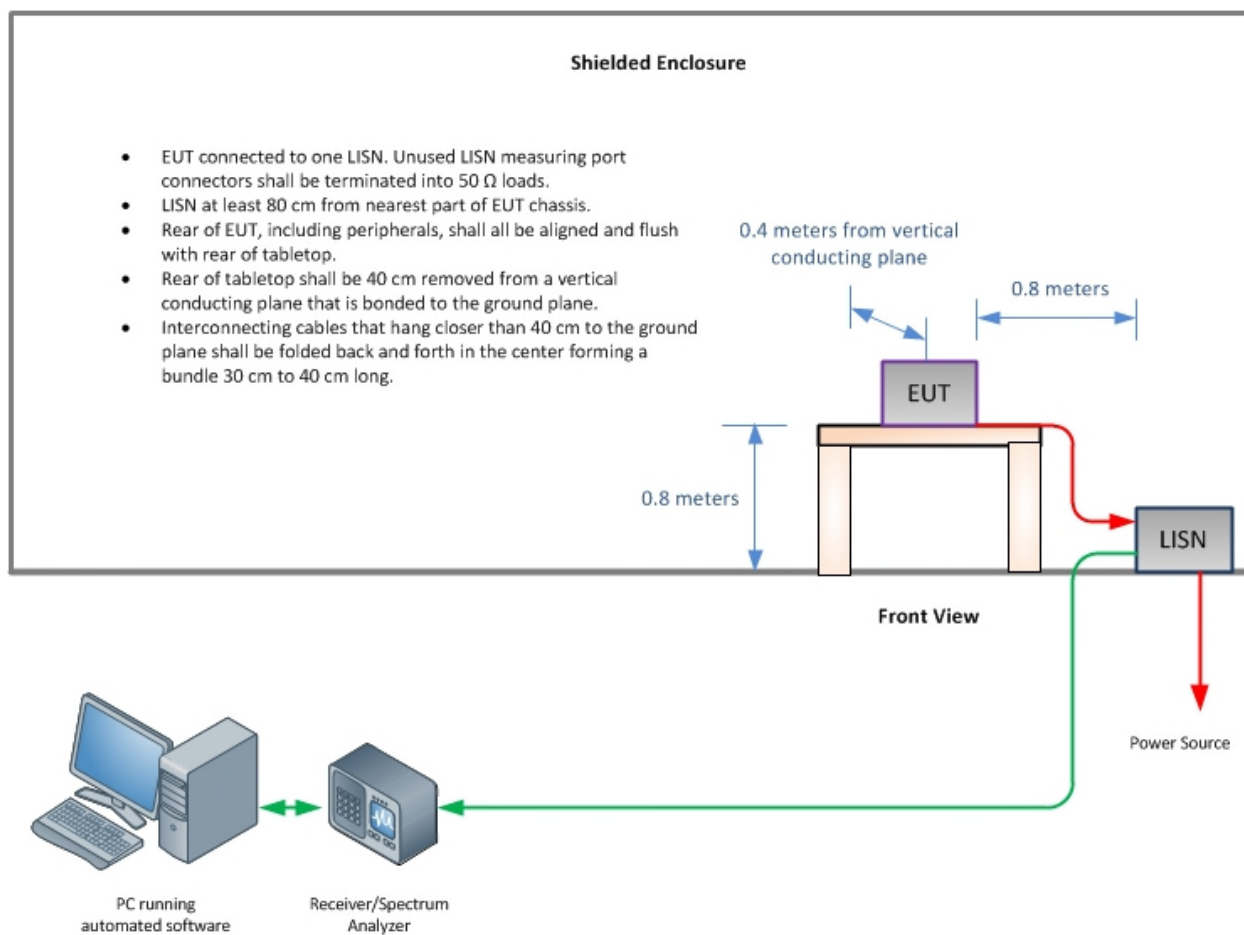


Figure 3-3 – Conducted Emissions Test Setup

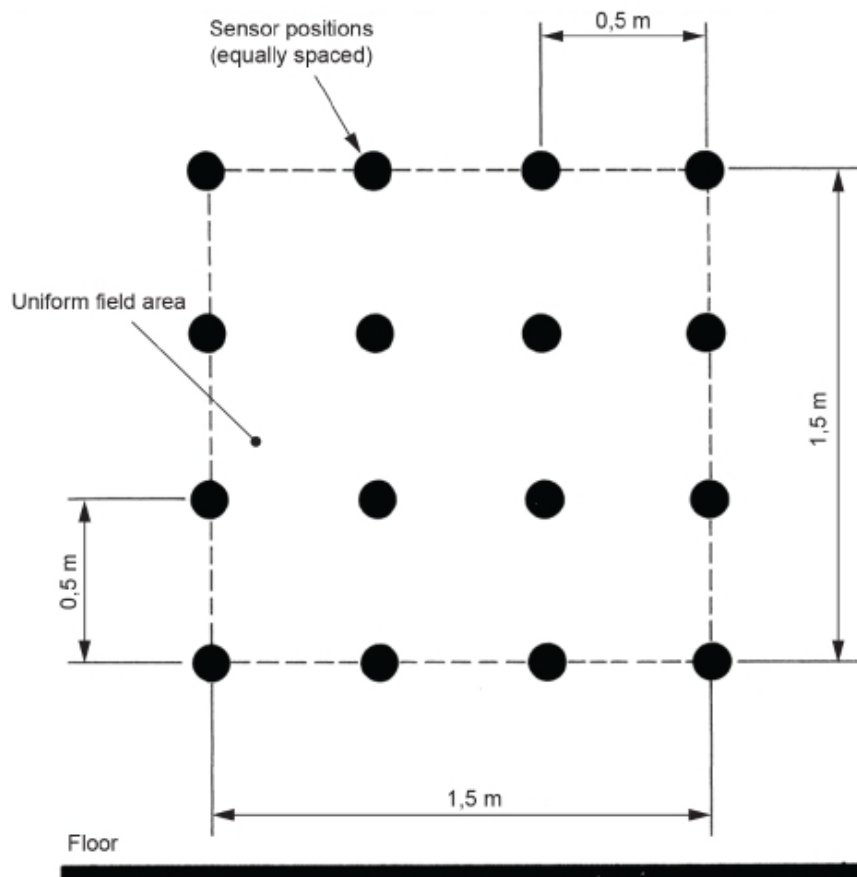


Figure 3-4 – Calibration of the Uniform Field Area setup



4 Accreditation, Disclaimers and Copyright

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STATEMENT OF MEASUREMENT UNCERTAINTY – Immunity

The data and results referenced in this document are accurate. The reader is cautioned that there is some measurement variability due to the tolerances of the test equipment that can contribute to a nominal product measurement uncertainty. Furthermore, component differences and manufacturing process variability of production units similar to that tested may result in additional product uncertainty. If necessary, refer to the test lab for the actual measurement uncertainty for specific tests.

STATEMENT OF MEASUREMENT UNCERTAINTY – Emissions

The test system for conducted emissions is defined as the LISN, tuned receiver or spectrum analyzer, and coaxial cable. This test system has a measurement uncertainty of ± 3.28 dB. The test system for radiated emissions is defined as the antenna, the pre-amplifier, the spectrum analyzer and the coaxial cable. This test system for 30 MHz-1000 MHz has a measurement uncertainty of ± 5.82 dB and above 1 GHz a measurement uncertainty of ± 4.99 dB for the ASAC. This test system for 30 MHz-1000 MHz has a measurement uncertainty of ± 5.72 dB and above 1 GHz a measurement uncertainty of ± 5.02 dB for the BSAC. This test system for 30 MHz-1000 MHz has a measurement uncertainty of ± 4.59 dB for the OATS. The measurement uncertainty values for conducted and radiated emissions meet the requirements as expressed in CISPR 16-4-2. The equipment comprising the test systems is calibrated on an annual basis.

TEST EQUIPMENT

All measurement instrumentation is traceable to the National Institute of Standards and Technology and is calibrated to meet test method standard requirements and/or manufacturer's specifications



5 Appendix A – Manufacturer Test Plan / Product Information