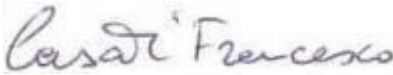


EMC TEST REPORT

Test Report No:	25-4791440816-5-1-0-EMC-A	
UL Project No:	4791440816	
Date of issue:	2025-06-05	
Total number of pages:	50	
Applicant:	BORA Vertriebs GmbH & Co KG Innstrasse 1 6342 Niederndorf - Austria	
Contact's person:	Christoph Schramm (c.schramm@bora.com)	
Testing Laboratory:	UL International Italia S.r.l. Via delle Industrie, 6 (Sede A) 20061 Carugate (MI) – Italy	
Testing location:	UL International Italia S.r.l. Via delle Industrie, 6 20061 Carugate (MI) – Italy	
Test specification:		
Regulations:	FCC	
Standards:	FCC 47 CFR – Part 18	
Non-standard test method:	N/A	
Scope of testing:	EMC - New testing	
TRF No.:	TRF_Accredia_RAFI_rev 41	
Test Report Form(s) Originator:	UL International Italia S.r.l.	
Master TRF	2017-07	
Compiled by: (name, function, signature)	Federico Sirtori <i>Laboratory Engineer</i>	
Approved by: (name, function, signature)	Francesco Casati <i>Operations Leader</i>	
General disclaimer: The test results presented in this test report relate only to the object tested, not selected by UL International Italia S.r.l.. This report shall not be reproduced, except in full, without the written approval of the issuing Testing Laboratory. This document contains data (of information) using color and if printed, should be printed in color to retain legibility and the information represented by the color.		
Declaration of responsibility: Data provided by the customer are clearly identified with (*). UL International Italia S.r.l. cannot be considered responsible for this information, for any other document sent by the Applicant/Manufacturer and for any difference between the software version present in the tested sample and that present in the object intended for final sale. In some cases, the software in the tested sample is in a version dedicated exclusively to the test, and therefore does not represent the software installed in the final version of the product.		

Test Item Description:	Downdraft induction cooktop
Trade Mark: (*)	Bora
Manufacturer: (*)	BORA Vertriebs GmbH & Co KG Innstrasse 1 6342 Niederndorf - Austria
Model/Type reference: (*)	KPURENA / PURENAR
FCC ID: (*)	2BK2HKMPURE
Ratings: (*)	240 VAC; 8.0 kW; 60 Hz; 3-wire 208 VAC; 6.9 kW; 60 Hz; 3-wire
Testing:	
Type of equipment considered in the present document:	☒ Non-radio product ☐ Non-radio product combined with one radio technology ☐ Non-radio product combined with more radio technologies, only capable of independent transmission ☐ Non-radio product combined with more radio technologies, capable of simultaneous transmission ☐ Radio product with one radio technology ☐ Radio product with more radio technologies, only capable of independent transmission ☐ Radio product with more radio technologies, capable of simultaneous transmission
Date of receipt of test item:	2024-11-11
UL Sample Tag No.:	7570814
Status of sample upon receipt:	☒ New and operational ☐ Reconditioned ☐ Damaged ☐ Unknown
Date(s) of performance of tests:	2025-01-13 to 2025-01-24
Name and address of factory(ies): (*)	SCHERDEL Industries Wiesau GmbH Max-Planck-Weg 7 95676 Wiesau - Germany
General remarks: A cross ☒ in a rectangular shape means that this option is applied. ☒ Indicates that the listed condition, standard or equipment is applicable for this report. ☐ Indicates that the listed condition, standard or equipment is not applicable for this report. Throughout this report a ☐ comma / ☒ point is used as decimal separator. Where not otherwise specified or communicated in writing, statements of conformity (e.g. Pass/Fail) are established according to the following decision rule: considering that the applied test standards take measurement uncertainty into account, acceptance limit equals the tolerance limit (simple acceptance). This leads to a maximum 50% of false accept or false reject when the measured value equals the tolerance limit. See ILAC-G8:09/2019 for further details.	

General product information: (*)

Cooktops with glass ceramic and induction modules that contain an integrated downdraft extractor.

5.3 KPURENA

Parameter	Value
Supply voltage	240 V (208 V)
Frequency	60 Hz
Maximum power consumption	8.0 kW (6.9 kW)
Fuse protection	40 A
Dimensions	$36\frac{11}{32} \times 22\frac{3}{64}$ x $7\frac{53}{64}$ in, 92.3 x 56 x 19.9 cm
Weight	46 lbs (20.9 kg)
Cooktop	
Surface material	Glass ceramic
Cooktop power levels	1 – 9, P
Front left cooking zone size	$\varnothing 8\frac{1}{4}$ in, $\varnothing 21$ cm
Front left cooking zone output	2300 W
Front left cooking zone power setting output	3000 W
Rear left cooking zone size	$\varnothing 6\frac{7}{8}$ in, $\varnothing 17.5$ cm
Rear left cooking zone output	1400 W
Rear left cooking zone power setting output	2100 W
Front right cooking zone size	$9\frac{1}{16} \times 9\frac{1}{16}$ in, 23 x 23 cm
Front right cooking zone output	2100 W
Front right cooking zone power setting output	3000 W
Rear right cooking zone size	$9\frac{1}{16} \times 9\frac{1}{16}$ in, 23 x 23 cm
Rear right cooking zone output	2100 W
Rear right cooking zone power setting output	3000 W
Energy efficiency	EnergyStar certified
Exhaust air system	
Cooktop extractor power levels	1 – 9, P
Airflow	332 cfm / sone at 100 cfm 0.271
Grease absorption rate	98.2 %

Tab. 5.2 Technical data for KPURENA

5.4 Appliance dimensions

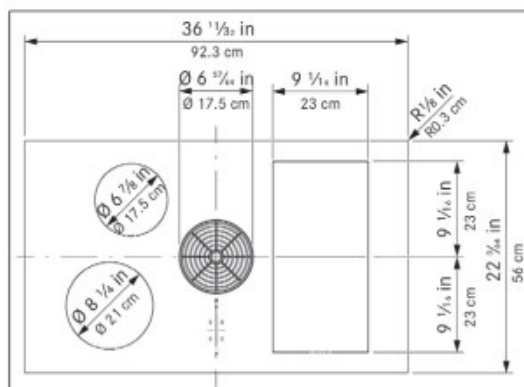


Fig. 5.4 Appliance dimensions top view

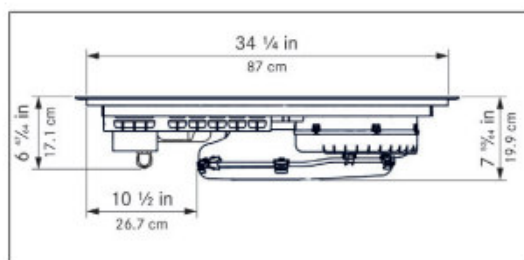


Fig. 5.5 Appliance dimensions front view

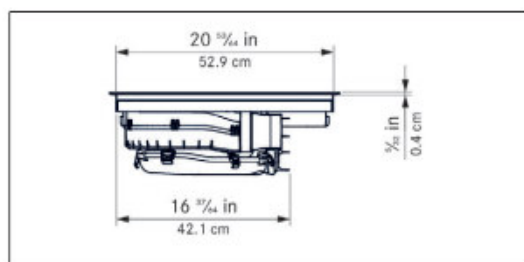


Fig. 5.6 Appliance dimensions side view

Document history

Test Report No.	Reason for change	Date of issue
25-4791440816-5-1-0-EMC-A	Original release	2025-06-05

NOTE: New test report issue cancels and replaces the previous one.

FCC Accredited Test Firm

Accreditation	MRA	Designation Number	Expiration Date
Ministero delle Sviluppo Economico- Direzione Generale Pianificazione e Gestione dello Spettro Radioelettrico <u>Scope:</u> • Unintentional Radiators - FCC Part 15 Subpart B • Industrial, Scientific, and Medical Equipment - FCC Part 18 • Intentional Radiators - FCC Part 15 Subpart C	US-EU	IT0010	2025-06-25

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1 Test Item Description

Serial number: (*)		No information available						
Date of production: (*)		No information available						
Ports: (*)								
Port name	Description	Max. length (m)	Attached during test	Shielded	Symmetric	Outdoor use		
AC Mains	Product power supply input	1.5	☒	☒ (^)	☐	☐		
Supplementary information to the ports:		(^) AC mains power cord with earthed metal conduit.						
Rated power supply: (*)		Voltage and frequency			Reference poles			
					N	L1	L2	L3
		☒	AC: 208 V; 60 Hz		☐	☒	☒	☐
		☒	AC: 240 V; 60 Hz		☐	☒	☒	☐
		☐	DC:					
Rated power: (*)		8.0 kW (@240 V) 6.9 kW (@208 V)						
Protection class: (*)		☐	0					
		☒	I 					
		☐	II 					
		☐	III 					
Environment of intended use: (*)		☒	Household / Residential					
		☐	Professional / Commercial / Light-industrial					
		☐	Industrial					
		☐	Professional healthcare facility (only for ME)					
		☐	Home healthcare (only for ME)					
		☐	Special (only for ME)					
		☐	Road and Street					
		☐	Automotive					

Working frequencies: (*)		Clock frequencies: 32 MHz, 48 MHz Induction frequency: 25-65 kHz	
Other parameters: (*)		No information available	
Firmware/Software version: (*)		4.29	
Hardware version: (*)		72.08043.121	
Dimensions in cm (W x H x D): (*)		92.5 x 56 x 19	
Mounting position: (*)	☒	Table top equipment	
	☐	Wall/Ceiling mounted equipment	
	☐	Floor standing equipment	
	☐	Hand-held equipment	
	☐	Other:	
Modules/parts: (*)	Module/parts of test item	Type	Manufacturer
	---	---	---
Operating modes:			
No.	Operating mode of test item	Used for testing	
		Emission	Immunity
1	Zone 1, Boost level (max power), 145 mm pot diameter	☒	☐
2	Zone 2, Boost level (max power), 110 mm pot diameter	☒	☐
3	Zone 3, Boost level (max power), 145 mm pot diameter	☒	☐
4	Zone 4, Boost level (max power), 145 mm pot diameter	☒	☐
5	All zones activated, max possible level (Power management enabled)	☒	☐

Supplemental information to the operating mode:

► Observe the minimum cookware base diameter:

Cooking zone	Minimum cookware base diameter
Front left	4 ²³ / ₃₂ in (12 cm)
Rear left	3 ³⁵ / ₆₄ in (9 cm)
Front right	4 ²³ / ₃₂ in (12 cm)
Rear right	4 ²³ / ₃₂ in (12 cm)

Tab. 6.5 Minimum cookware diameter



The induction cooking appliance is operated in accordance with A.9 of Annex A of CISPR 14-1 Ed.6.0

Auxiliary equipment (AuxEq):

Peripheral equipment that is part of the system under test

Description	Manufacturer	Type
---	---	---

Associated equipment (AE):

Equipment that is not part of the system under test but needed to exercise and/or monitor the EUT

Description	Manufacturer	Type
---	---	---

Documents as provided by the applicant:

(*)

Description	File name	Issue date
---	---	---

Modifications to the test item during testing:

None

Copy of marking plate: (*)

240VAC 8.0kW 60Hz, 3-wire
208VAC 6.9kW 60Hz, 3-wire

TYPE: PURENAR Model: KPURENA

MOD



KCID936SBL

SER



BRD4500029



Made in Germany

CAN ICES-001(B)/NMB-001(B)
FCC ID: 2BK2HKMPUREinduction cooktop
counter mounted

BORA Vertriebs GmbH & Co KG, Innstraße 1, 6342 Niederndorf, Austria, support@bora.com

2 Verdict summary section

CFR 47 Part 18					
Clause	Requirement	Reference standard	Accreditation	Verdict	Note
18.303	Prohibited frequency bands / Frequency measurement	FCC/OET MP-5:1986-02	Accredia	P	1
18.305	Field strength limits	FCC/OET MP-5:1986-02	Accredia	P	
18.307	Conduction limits	FCC/OET MP-5:1986-02	Accredia	P	
18.313	Radio frequency exposure requirements.	CFR 47 Part 18	None	N/P	2
Notes:					
1. Induction cooktop does not operate in 490-510 kHz, 2170-2194 kHz, 8354-8374 kHz, 121.4-121.6 MHz, 156.7-156.9 MHz, and 242.8-243.2 MHz frequency ranges.					
2. Test included in a different test report					

Possible test case verdicts:

Test case not performed: N/P

Test case does not apply to test object: N/A

Test object does meet requirement: Pass (P)

Test object does not meet requirement: Fail (F)

3 Test Conditions

3.1 Environmental reference conditions

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment.

The climatic conditions during the tests were within the following limits:

Ambient temperature	Relative humidity	Atmospheric pressure
15 ÷ 30 °C (all tests)	30 ÷ 60 % (ESD immunity test only) 20 ÷ 75 % (all other tests)	860 ÷ 1060 mbar (ESD immunity test only)

3.2 Measurement uncertainties

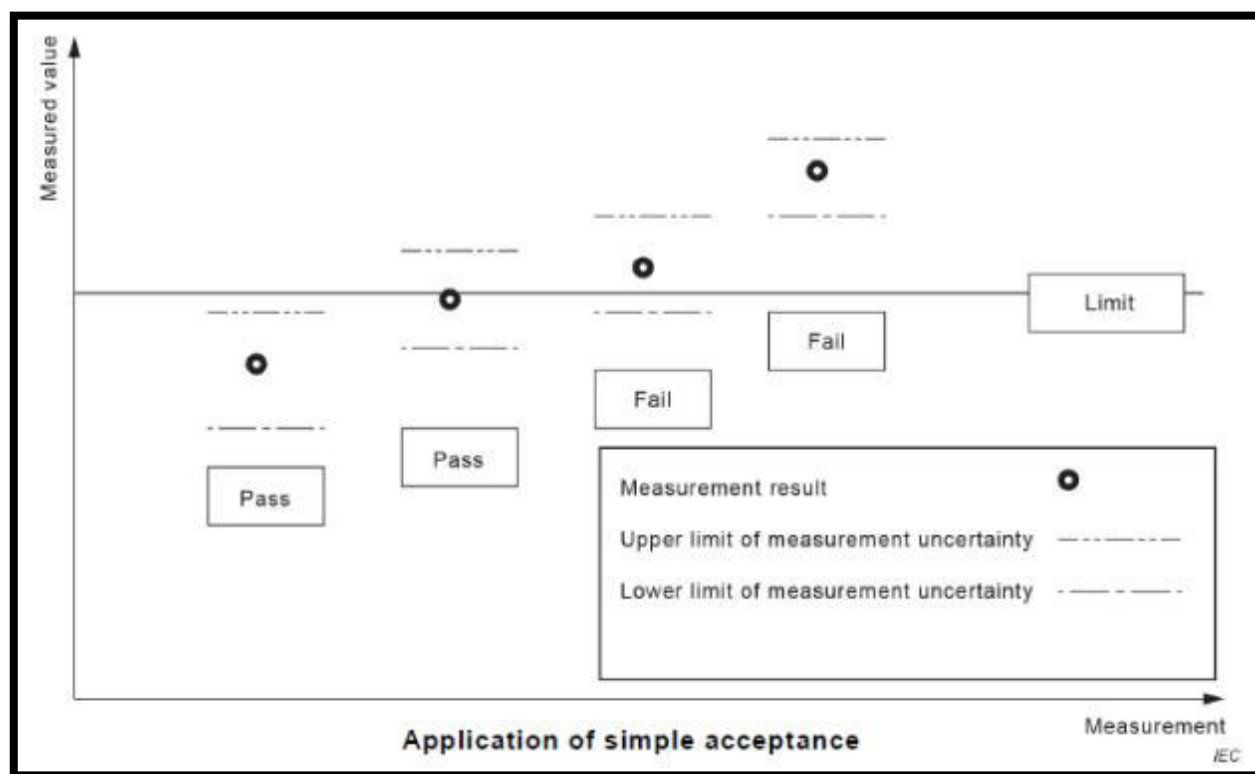
For all measurements where guidance for the calculation of the instrumentation uncertainty of a measurement is specified in CISPR 16-4-2, IEC 61000-4 series or a product standard, the measurement instrumentation uncertainty has been calculated and applied in accordance with these standards.

In all cases if the test laboratory uncertainty is larger than the value for U_{CISPR} given in CISPR 16-4-2 the uncertainty are included in the test report annex.

In case the standards in the IEC 61000-4 series or the product standard requires the indication of the uncertainty in the report these uncertainty values are included in the annex.

3.3 Conformity decision rule

Applied decision rule(s)	
☐	The conformity statements for EMC emission measurements according CISPR standards are decided as required by the applied product standard, typically referring to the decision rule of CISPR 16-4-2 clause 4.
☐	A decision rule for EMC immunity tests is not required since the test instrumentation uncertainty (e. g. as calculated according to the IEC 61000-4-X series) has no influence on the test signal and therefore the test result.
☒	Conformity statements for other measurements than EMC emission or EMC immunity in this report are decided in accordance with IEC Guide 115:2021 Procedure 2, Accuracy method (or simple acceptance).
☐	The conformity statements in this report are decided in accordance with the following procedure. Procedure number, issue date and title: --



3.4 Formula used for RF emission quantities

☒ Disturbance voltage

$$V \text{ (dB}\mu\text{V)} = V \text{ receiver (dB}\mu\text{V)} + \text{Correction (dB)}$$

where:

$$\text{Correction (dB)} = \text{I.L. transducer (dB)} + \text{I.L. cable (dB)}$$

☐ Magnetic field

$$H \text{ (dB}\mu\text{A/m)} = V \text{ receiver (dB}\mu\text{V)} + \text{Correction (dB)}$$

where:

$$\text{Correction (dB)} = \text{Magnetic antenna factor (dB}/\Omega\text{m)} + \text{I.L. cables (dB)}$$

☐ Magnetic field induced current

$$I \text{ (dB}\mu\text{A)} = V \text{ receiver (dB}\mu\text{V)} + \text{Correction (dB)}$$

where:

$$\text{Correction (dB)} = \text{Corrective antenna factor (dB}\Omega^{-1}\text{)}$$

☐ Disturbance power

$$P \text{ (dBpW)} = V \text{ receiver (dB}\mu\text{V)} + \text{Correction (dB)}$$

where:

$$\text{Correction (dB)} = \text{Clamp factor (dBpW}/\mu\text{V)} + \text{I.L. external 6 dB attenuator (dB)} + \text{I.L. cable (dB)}$$

☒ Electric field

$$E \text{ (dB}\mu\text{V/m)} = V \text{ receiver (dB}\mu\text{V)} + \text{Correction (dB)}$$

where:

$$\text{Correction (dB)} = \text{Electric antenna factor (dB/m)} - \text{Gain external preamplifier (dB)} + \text{I.L. external filter (dB)} + \text{I.L. cables (dB)}$$

Note: external preamplifier and external filter are optional and, if used, are indicated in the list of test equipment

☐ Independent method of measurement of radiated emission (CDNE)

$$V \text{ (dB}\mu\text{V)} = V \text{ receiver (dB}\mu\text{V)} + \text{Correction (dB)}$$

where:

$$\text{Correction (dB)} = \text{I.L. CDN (dB)} + \text{I.L. external 6dB attenuator (dB)} + \text{I.L. cable (dB)}$$

☐ Radiated power (substitution method)

$$\text{Radiated power (dBm)} = V \text{ receiver (dB}\mu\text{V)} + \text{Correction (dB)}$$

where:

$$\text{Correction (dB)} = \text{Chamber attenuation (dB)} + \text{Gain of calibration transmitting antenna (dBi)} - \text{Gain external preamplifier (dB)} + \text{I.L. external filter (dB)}$$

Note: external preamplifier and external filter are optional and, if used, are indicated in the list of test equipment

$$\text{E (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20 \log D + 104.8; \text{ where D is the measurement distance in meters}$$

$$\text{EIRP (dBm)} = \text{E (dB}\mu\text{V/m)} + 20 \log D - 104.8; \text{ where D is the measurement distance in meters}$$

$$\text{ERP} = \text{EIRP} - 2.15 \text{ (dB); where ERP and EIRP are expressed in consistent units}$$

$$\text{EIRP} = \text{ERP} + 2.15 \text{ (dB); ERP and EIRP are expressed in consistent units}$$

☒ Margin

$$\text{Margin (dB)} = \text{Measure} - \text{Limit}$$

☒ Radiated emission limit conversion for a different measuring distance

$$40 \text{ dB/decade (f<30 MHz); } 20 \text{ dB/decade (f}\geq\text{30 MHz)}$$

☐ Correction of radiated field from 5 m to 3 m

$$+8.87 \text{ dB (f<30 MHz); } +4.44 \text{ dB (f}\geq\text{30 MHz)}$$

☒ Linear to logarithmic conversion

$$\text{Log} = 20 \cdot \log(\text{Lin}) \text{ for voltage and current; } \text{Log} = 10 \cdot \log(\text{Lin}) \text{ for power}$$

4 Emission

4.1 Disturbance voltage

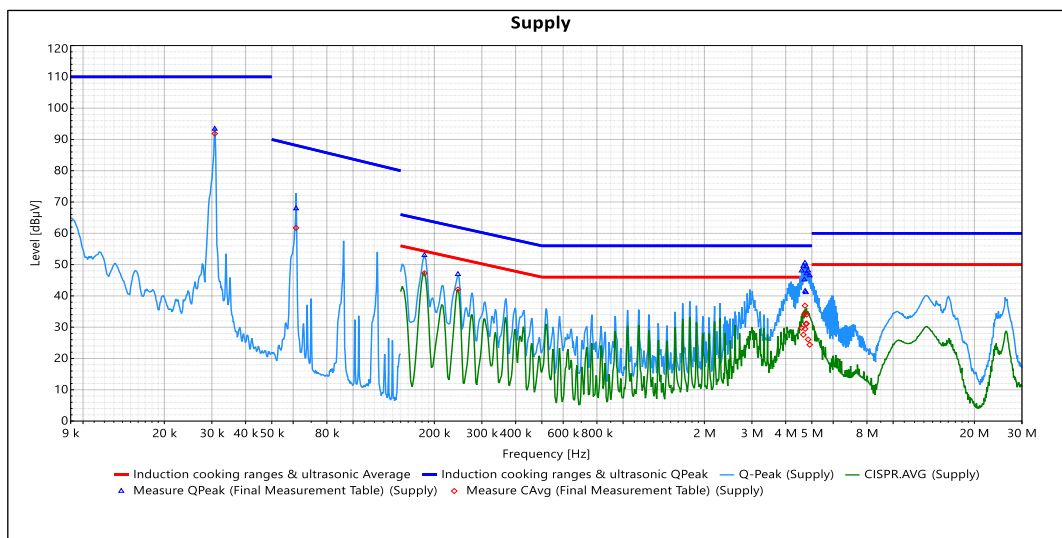
Tested by:	Federico Sirtori	
Test date:	2025-01-13	
Test location (stand):	Area 11: SR2 (RF emission)	
Ambient temperature:	23 °C	
Relative humidity:	45 %	
Atmospheric pressure:	1001 mbar	
Applied limits:	47 CFR, §18.307(a)	
Test set-up description:	☒	Set-up Type A (40 cm distance to vertical ground plane and 80 cm to horizontal ground plane)
	☐	Set-up Type B (40 cm distance to horizontal ground plane)
	☐	Floor standing equipment set-up (10 cm over ground plane)
	☐	80 cm to horizontal ground plane (vertical ground plane not used according to ANSI C63.4-2014 clause 5.2.3)
	☐	Artificial hand applied
	☐	Other:
Supplementary test set-up description:	---	
Test method applied:	☒	Artificial mains network
	☐	Artificial mains network used as voltage probe
	☐	Voltage probe
	☐	CDN according to IEC 61000-4-6
	☐	Current probe and capacitive voltage probe (CVP)
	☐	Current probe
	☐	ISN
	☐	In situ CDN (150 Ohm and current probe)
	☐	Other:
Used mains voltage/frequency:	240 V / 60 Hz (worst case due to maximum power absorption, identified by a prescan measurement)	
Supplementary information:	---	

Results

Operating Mode:	1
Port tested:	AC Mains
Line tested:	Phase L1
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

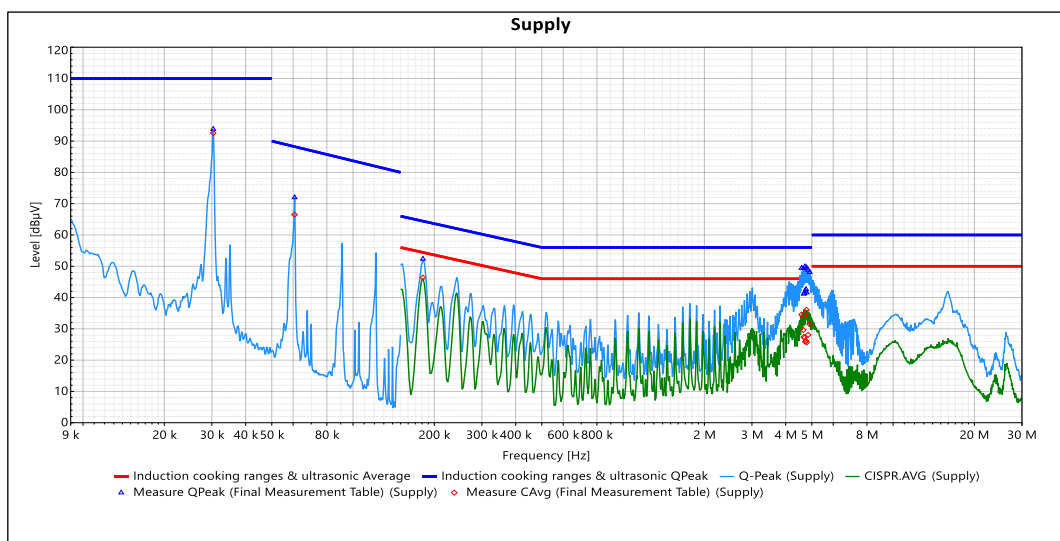
Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
30.75 kHz	93.36	110	-16.64	91.87	NaN	NaN	200 Hz	5	Pass	10.4
61.5 kHz	67.92	88.12	-20.2	61.74	NaN	NaN	200 Hz	5	Pass	10.21
183.75 kHz	52.97	64.31	-11.35	47.25	54.31	-7.06	9 kHz	5	Pass	10.22
244.5 kHz	46.93	61.94	-15.01	42.07	51.94	-9.87	9 kHz	5	Pass	10.22
4.585 MHz	48.05	56	-7.95	29.79	46	-16.21	9 kHz	5	Pass	10.42
4.65 MHz	49.53	56	-6.47	27.6	46	-18.4	9 kHz	5	Pass	10.42
4.691 MHz	45.2	56	-10.8	34.15	46	-11.85	9 kHz	5	Pass	10.42
4.715 MHz	50.51	56	-5.49	36.86	46	-9.14	9 kHz	5	Pass	10.42
4.722 MHz	41.54	56	-14.46	29.46	46	-16.54	9 kHz	5	Pass	10.42
4.751 MHz	41.12	56	-14.88	31.05	46	-14.95	9 kHz	5	Pass	10.42
4.781 MHz	49.31	56	-6.69	34.04	46	-11.96	9 kHz	5	Pass	10.42
4.783 MHz	47.13	56	-8.87	31.13	46	-14.87	9 kHz	5	Pass	10.42
4.846 MHz	48.05	56	-7.95	26.07	46	-19.93	9 kHz	5	Pass	10.43
4.911 MHz	46.52	56	-9.48	24.39	46	-21.61	9 kHz	5	Pass	10.43

Operating Mode:	1
Port tested:	AC Mains
Line tested:	Phase L2
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
- ☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

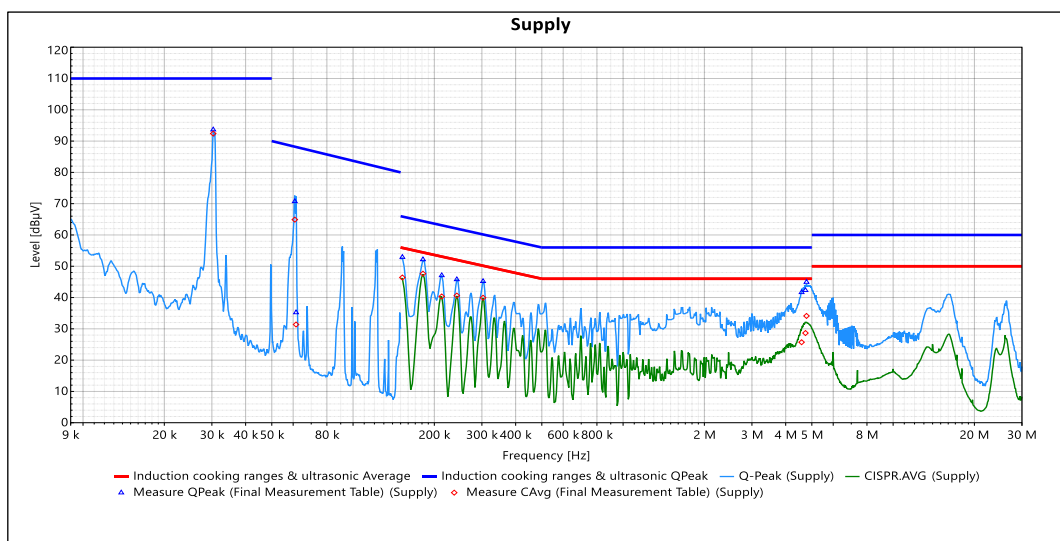
Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
30.35 kHz	93.82	110	-16.18	92.57	NaN	NaN	200 Hz	5	Pass	10.41
60.75 kHz	71.99	88.23	-16.24	66.5	NaN	NaN	200 Hz	5	Pass	10.21
181.5 kHz	52.34	64.42	-12.08	46.35	54.42	-8.07	9 kHz	5	Pass	10.22
4.583 MHz	49.44	56	-6.56	34.56	46	-11.44	9 kHz	5	Pass	10.42
4.648 MHz	49.31	56	-6.69	29.66	46	-16.34	9 kHz	5	Pass	10.42
4.668 MHz	41.16	56	-14.84	27.38	46	-18.62	9 kHz	5	Pass	10.42
4.697 MHz	41.44	56	-14.56	27.18	46	-18.82	9 kHz	5	Pass	10.42
4.713 MHz	49.9	56	-6.1	34.21	46	-11.79	9 kHz	5	Pass	10.42
4.729 MHz	42.09	56	-13.91	25.88	46	-20.12	9 kHz	5	Pass	10.42
4.758 MHz	42.68	56	-13.32	26.15	46	-19.85	9 kHz	5	Pass	10.42
4.778 MHz	49.59	56	-6.41	36.07	46	-9.93	9 kHz	5	Pass	10.42
4.787 MHz	41.58	56	-14.42	25.67	46	-20.33	9 kHz	5	Pass	10.43
4.844 MHz	48.79	56	-7.21	28.07	46	-17.93	9 kHz	5	Pass	10.43
4.909 MHz	48.08	56	-7.92	31.49	46	-14.51	9 kHz	5	Pass	10.43

Operating Mode:	2
Port tested:	AC Mains
Line tested:	Phase L1
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

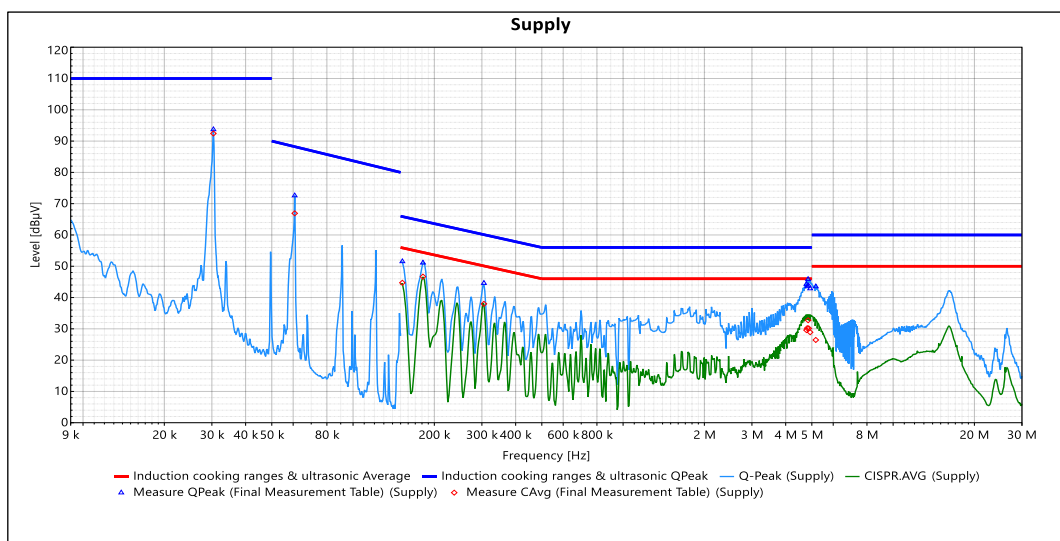
Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
30.35 kHz	93.65	110	-16.35	92.4	NaN	NaN	200 Hz	5	Pass	10.41
60.85 kHz	70.74	88.21	-17.48	64.9	NaN	NaN	200 Hz	5	Pass	10.21
61.5 kHz	35.22	88.12	-52.9	31.38	NaN	NaN	200 Hz	5	Pass	10.21
152.25 kHz	52.91	65.88	-12.96	46.41	55.88	-9.47	9 kHz	5	Pass	10.3
181.5 kHz	52.16	64.42	-12.26	47.62	54.42	-6.8	9 kHz	5	Pass	10.22
213 kHz	47.07	63.09	-16.02	40.35	53.09	-12.74	9 kHz	5	Pass	10.22
242.25 kHz	45.79	62.02	-16.23	40.63	52.02	-11.39	9 kHz	5	Pass	10.22
303 kHz	45.2	60.16	-14.96	39.93	50.16	-10.23	9 kHz	5	Pass	10.32
4.583 MHz	41.66	56	-14.34	25.72	46	-20.28	9 kHz	5	Pass	10.42
4.736 MHz	42.32	56	-13.68	28.65	46	-17.35	9 kHz	5	Pass	10.42
4.778 MHz	44.95	56	-11.05	34.12	46	-11.88	9 kHz	5	Pass	10.42

Operating Mode:	2
Port tested:	AC Mains
Line tested:	Phase L2
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

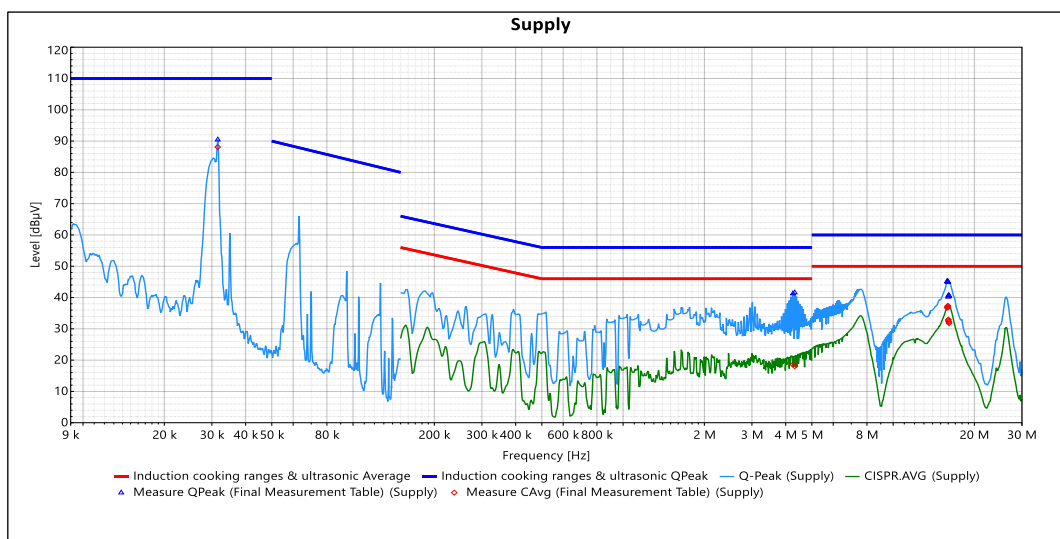
Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
30.4 kHz	93.72	110	-16.28	92.43	NaN	NaN	200 Hz	5	Pass	10.41
60.8 kHz	72.59	88.22	-15.63	66.91	NaN	NaN	200 Hz	5	Pass	10.21
152.25 kHz	51.54	65.88	-14.33	44.73	55.88	-11.15	9 kHz	5	Pass	10.3
181.5 kHz	51.1	64.42	-13.32	46.69	54.42	-7.73	9 kHz	5	Pass	10.22
305.25 kHz	44.62	60.1	-15.48	37.98	50.1	-12.12	9 kHz	5	Pass	10.32
4.776 MHz	44.29	56	-11.71	29.6	46	-16.4	9 kHz	5	Pass	10.42
4.808 MHz	43.54	56	-12.46	30.22	46	-15.78	9 kHz	5	Pass	10.43
4.844 MHz	45.86	56	-10.14	32.75	46	-13.25	9 kHz	5	Pass	10.43
4.868 MHz	43.77	56	-12.23	30.16	46	-15.84	9 kHz	5	Pass	10.43
4.929 MHz	42.88	56	-13.12	28.91	46	-17.09	9 kHz	5	Pass	10.43
5.172 MHz	43.52	60	-16.48	26.44	50	-23.56	9 kHz	5	Pass	10.43

Operating Mode:	3
Port tested:	AC Mains
Line tested:	Phase L1
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

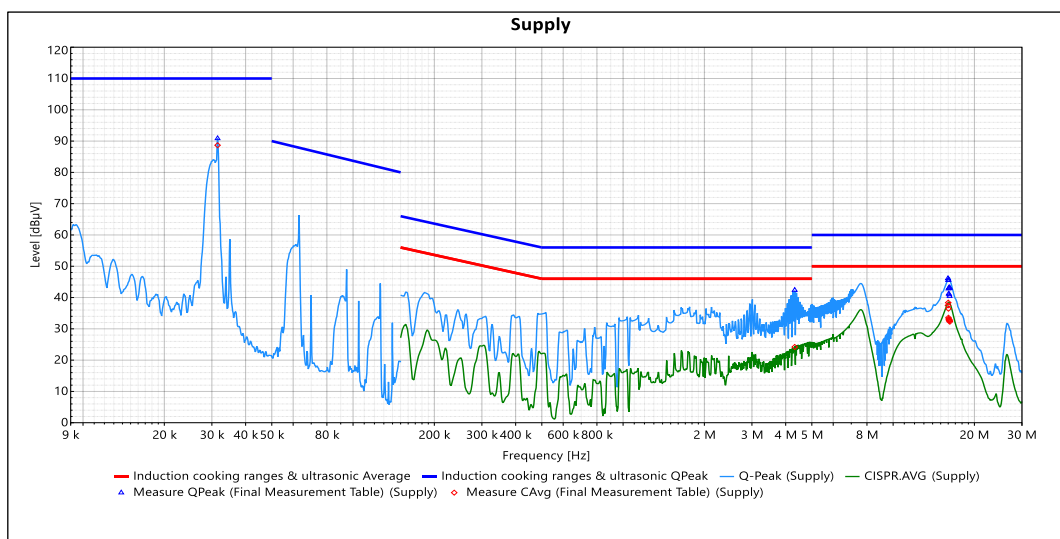
Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
31.55 kHz	90.45	110	-19.55	88.1	NaN	NaN	200 Hz	5	Pass	10.4
4.256 MHz	41.26	56	-14.74	18.59	46	-27.41	9 kHz	5	Pass	10.41
4.322 MHz	41.58	56	-14.42	18.06	46	-27.94	9 kHz	5	Pass	10.41
15.833 MHz	45.13	60	-14.87	36.78	50	-13.22	9 kHz	5	Pass	10.54
15.896 MHz	45.22	60	-14.78	37.09	50	-12.91	9 kHz	5	Pass	10.54
15.959 MHz	44.92	60	-15.08	37.35	50	-12.65	9 kHz	5	Pass	10.54
15.961 MHz	45.14	60	-14.86	36.85	50	-13.15	9 kHz	5	Pass	10.54
15.992 MHz	40.21	60	-19.79	32.81	50	-17.19	9 kHz	5	Pass	10.54
16.024 MHz	40.56	60	-19.44	32.94	50	-17.06	9 kHz	5	Pass	10.54
16.053 MHz	40.71	60	-19.29	32.35	50	-17.65	9 kHz	5	Pass	10.54
16.085 MHz	40.55	60	-19.45	32.23	50	-17.77	9 kHz	5	Pass	10.54
16.116 MHz	40.52	60	-19.48	31.82	50	-18.18	9 kHz	5	Pass	10.54

Operating Mode:	3
Port tested:	AC Mains
Line tested:	Phase L2
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
- ☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

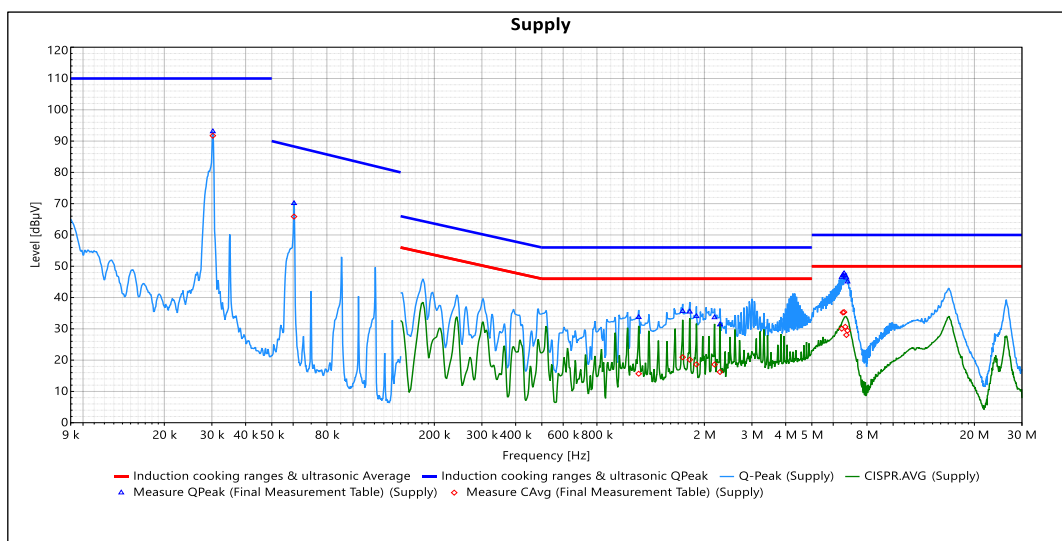
Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
31.5 kHz	90.86	110	-19.14	88.67	NaN	NaN	200 Hz	5	Pass	10.4
4.322 MHz	42.38	56	-13.62	24.2	46	-21.8	9 kHz	5	Pass	10.41
15.968 MHz	46.13	60	-13.87	37.5	50	-12.5	9 kHz	5	Pass	10.54
16.001 MHz	45.53	60	-14.47	38.36	50	-11.64	9 kHz	5	Pass	10.54
16.031 MHz	45.67	60	-14.33	36.44	50	-13.56	9 kHz	5	Pass	10.54
16.033 MHz	42.83	60	-17.17	33.56	50	-16.44	9 kHz	5	Pass	10.54
16.064 MHz	41.23	60	-18.77	33.16	50	-16.84	9 kHz	5	Pass	10.54
16.094 MHz	43.08	60	-16.92	32.87	50	-17.13	9 kHz	5	Pass	10.54
16.125 MHz	40.98	60	-19.02	32.55	50	-17.45	9 kHz	5	Pass	10.54
16.159 MHz	43.2	60	-16.8	32.77	50	-17.23	9 kHz	5	Pass	10.54
16.19 MHz	40.45	60	-19.55	32.77	50	-17.23	9 kHz	5	Pass	10.54
16.222 MHz	43.02	60	-16.98	32.26	50	-17.74	9 kHz	5	Pass	10.54

Operating Mode:	4
Port tested:	AC Mains
Line tested:	Phase L1
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
- ☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

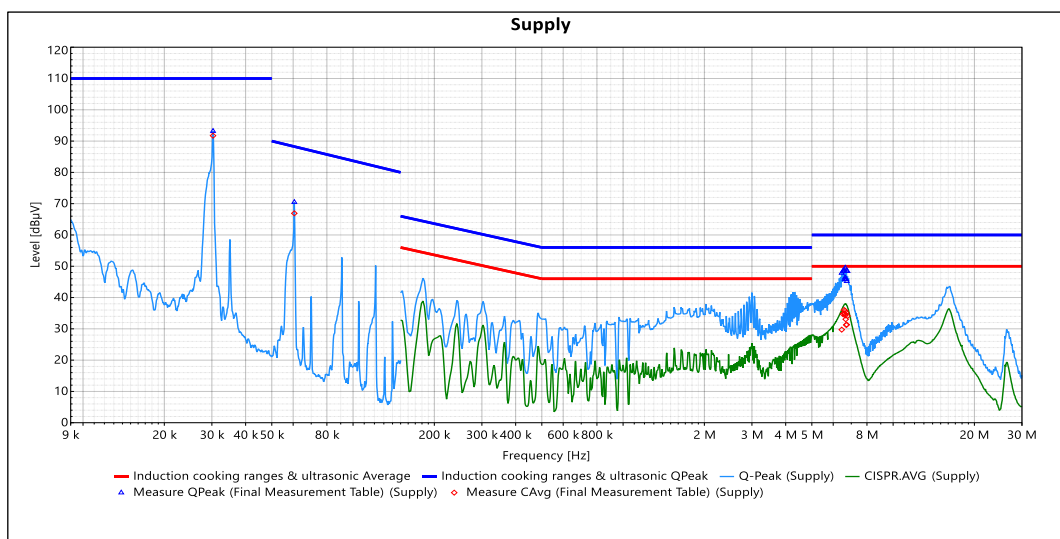
Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
30.25 kHz	93.07	110	-16.93	91.71	NaN	NaN	200 Hz	5	Pass	10.41
60.45 kHz	70.12	88.27	-18.16	65.87	NaN	NaN	200 Hz	5	Pass	10.21
1.142 MHz	33.69	56	-22.31	15.65	46	-30.35	9 kHz	5	Pass	10.34
1.662 MHz	35.62	56	-20.38	20.93	46	-25.07	9 kHz	5	Pass	10.35
1.766 MHz	35.45	56	-20.55	20.13	46	-25.87	9 kHz	5	Pass	10.36
1.869 MHz	33.99	56	-22.01	18.64	46	-27.36	9 kHz	5	Pass	10.36
2.182 MHz	33.63	56	-22.37	18.61	46	-27.39	9 kHz	5	Pass	10.37
2.285 MHz	31.36	56	-24.64	16.21	46	-29.79	9 kHz	5	Pass	10.37
6.452 MHz	46.53	60	-13.47	30.04	50	-19.96	9 kHz	5	Pass	10.45
6.518 MHz	47.14	60	-12.86	35.21	50	-14.79	9 kHz	5	Pass	10.45
6.583 MHz	47.72	60	-12.28	35.35	50	-14.65	9 kHz	5	Pass	10.45
6.648 MHz	47.01	60	-12.99	30.64	50	-19.36	9 kHz	5	Pass	10.45
6.713 MHz	46.34	60	-13.66	28.03	50	-21.97	9 kHz	5	Pass	10.45
6.779 MHz	45.07	60	-14.93	29.43	50	-20.57	9 kHz	5	Pass	10.45

Operating Mode:	4
Port tested:	AC Mains
Line tested:	Phase L2
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

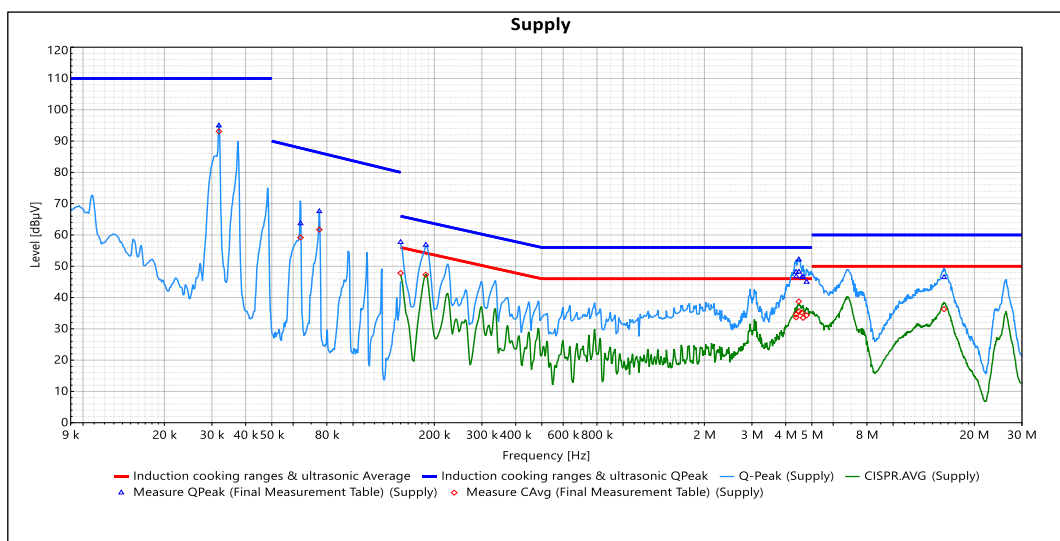
Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
30.3 kHz	93.19	110	-16.81	91.72	NaN	NaN	200 Hz	5	Pass	10.41
60.6 kHz	70.49	88.25	-17.76	66.91	NaN	NaN	200 Hz	5	Pass	10.21
6.452 MHz	47.84	60	-12.16	29.73	50	-20.27	9 kHz	5	Pass	10.45
6.518 MHz	48.41	60	-11.59	34.74	50	-15.26	9 kHz	5	Pass	10.45
6.581 MHz	48.47	60	-11.53	36.02	50	-13.98	9 kHz	5	Pass	10.45
6.583 MHz	48.9	60	-11.1	34.99	50	-15.01	9 kHz	5	Pass	10.45
6.612 MHz	45.82	60	-14.18	34.79	50	-15.21	9 kHz	5	Pass	10.45
6.641 MHz	46.39	60	-13.61	34.26	50	-15.74	9 kHz	5	Pass	10.45
6.648 MHz	49.49	60	-10.51	35.75	50	-14.25	9 kHz	5	Pass	10.45
6.673 MHz	45.77	60	-14.23	33.06	50	-16.94	9 kHz	5	Pass	10.45
6.702 MHz	45.86	60	-14.14	31.25	50	-18.75	9 kHz	5	Pass	10.45
6.713 MHz	48.59	60	-11.41	35.11	50	-14.89	9 kHz	5	Pass	10.45
6.734 MHz	45.22	60	-14.78	31.32	50	-18.68	9 kHz	5	Pass	10.45
6.779 MHz	48.39	60	-11.61	34.11	50	-15.89	9 kHz	5	Pass	10.45

Operating Mode:	5
Port tested:	AC Mains
Line tested:	Phase L1
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

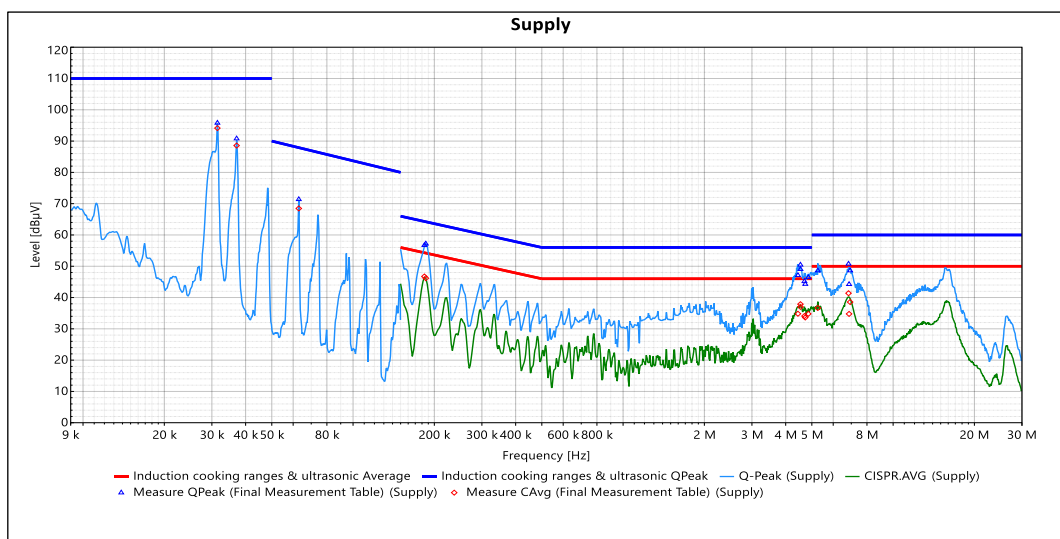
Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
31.85 kHz	94.93	110	-15.07	93.11	NaN	NaN	200 Hz	5	Pass	10.39
63.9 kHz	63.67	87.77	-24.1	59.19	NaN	NaN	200 Hz	5	Pass	10.21
75 kHz	67.54	86.31	-18.77	61.73	NaN	NaN	200 Hz	5	Pass	10.21
150 kHz	57.68	66	-8.32	47.82	56	-8.18	9 kHz	5	Pass	10.31
186 kHz	56.8	64.21	-7.41	47.31	54.21	-6.9	9 kHz	5	Pass	10.22
4.373 MHz	48.12	56	-7.88	34.59	46	-11.41	9 kHz	5	Pass	10.42
4.378 MHz	46.74	56	-9.26	33.66	46	-12.34	9 kHz	5	Pass	10.42
4.475 MHz	52.12	56	-3.88	38.75	46	-7.25	9 kHz	5	Pass	10.42
4.481 MHz	48.18	56	-7.82	35.55	46	-10.45	9 kHz	5	Pass	10.42
4.594 MHz	46.44	56	-9.56	35.21	46	-10.79	9 kHz	5	Pass	10.42
4.639 MHz	46.59	56	-9.41	33.5	46	-12.5	9 kHz	5	Pass	10.42
4.783 MHz	44.96	56	-11.04	34.32	46	-11.68	9 kHz	5	Pass	10.42
15.437 MHz	46.44	60	-13.56	36.3	50	-13.7	9 kHz	5	Pass	10.54

Operating Mode:	5
Port tested:	AC Mains
Line tested:	Phase L2
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 200 Hz; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto;
10 dB min attenuation: ON; RBW: 9 kHz; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
- ☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

Final Measurement Table

Frequency	Measure QPeak (dBμV)	Limit QPeak (dBμV)	Margin QPeak (dB)	Measure CAvg (dBμV)	Limit Avg (dBμV)	Margin Avg (dB)	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
31.45 kHz	95.8	110	-14.2	94.14	NaN	NaN	200 Hz	5	Pass	10.4
37.05 kHz	90.79	110	-19.21	88.57	NaN	NaN	200 Hz	5	Pass	10.34
62.95 kHz	71.38	87.9	-16.52	68.47	NaN	NaN	200 Hz	5	Pass	10.21
183.75 kHz	56.72	64.31	-7.6	46.73	54.31	-7.58	9 kHz	5	Pass	10.22
186 kHz	57.18	64.21	-7.04	46.19	54.21	-8.02	9 kHz	5	Pass	10.22
4.441 MHz	47.12	56	-8.88	34.82	46	-11.18	9 kHz	5	Pass	10.42
4.538 MHz	50.45	56	-5.55	37.88	46	-8.12	9 kHz	5	Pass	10.42
4.54 MHz	49.06	56	-6.94	37.01	46	-8.99	9 kHz	5	Pass	10.42
4.695 MHz	45.18	56	-10.82	34.09	46	-11.91	9 kHz	5	Pass	10.42
4.727 MHz	44.31	56	-11.69	33.62	46	-12.38	9 kHz	5	Pass	10.42
4.85 MHz	46.46	56	-9.54	34.78	46	-11.22	9 kHz	5	Pass	10.43
5.262 MHz	48.6	60	-11.4	36.67	50	-13.33	9 kHz	5	Pass	10.43
6.837 MHz	50.76	60	-9.24	41.38	50	-8.62	9 kHz	5	Pass	10.45
6.869 MHz	44.25	60	-15.75	34.76	50	-15.24	9 kHz	5	Pass	10.45
6.932 MHz	48.62	60	-11.38	38.56	50	-11.44	9 kHz	5	Pass	10.45

4.2 Disturbance field strength / Electric field

Tested by:	Federico Sirtori
Test date:	2025-01-24
Test location (stand):	Area 8: SAC 3-1.2 (RF emission)
Ambient temperature:	23 °C
Relative humidity:	42 %
Atmospheric pressure:	1005 mbar
Applied limits:	47 CFR, §18.305(b), Induction cooking ranges
Test set-up description:	☒ Equipment on table of 80 cm height
	☐ Equipment on the floor (isolated from ground plane)
	☐ Equipment on a 10 cm support over the ground plane according CISPR 15
	☐ CMAD applied on the following cables:
	☐ CDNE terminated with 50 Ω on the mains supply cable
	☐ Other:
Supplementary test set-up description:	---
Test method:	☒ OATS or SAC with measurement distance [m]: 3
	☐ FAR with measurement distance [m]: 3
	☐ FSOATS with measurement distance [m]: 3 or 5
	☐ TEM Waveguide
	☐ CDN(E) according to CISPR 15
Boresighting or tilting above 1 GHz:	☐ Yes
	☐ No
Antenna height scanning above 1 GHz:	☐ 1 m to 4 m
	☐ Fixed, height [m]: 1.55
Measurement above 1 GHz: Dimension of the line tangent to the EUT volume (beam width):	☐ Not applicable
	☐ <u>Value of w (worst case 1 GHz to 6 GHz)</u> Antenna 3117: 2.7 m at 3 m; 4.5 m at 5 m Antenna BBHA 9120 D: 1.7 m at 3 m; 2.9 m at 5 m Antenna HL050: 3.1 m at 3 m; 5.2 m at 5 m <u>Value of w (worst case 6 GHz to 18 GHz)</u> Antenna 3117: 1.2 m at 3 m; 1.9 m at 5 m Antenna BBHA 9120 D: 0.4 m at 3 m; 0.6 m at 5 m Antenna HL050: 2.3 m at 3 m; 3.8 m at 5 m
Used mains voltage/frequency:	240 V / 60 Hz (worst case due to maximum power absorption, identified by a prescan measurement)

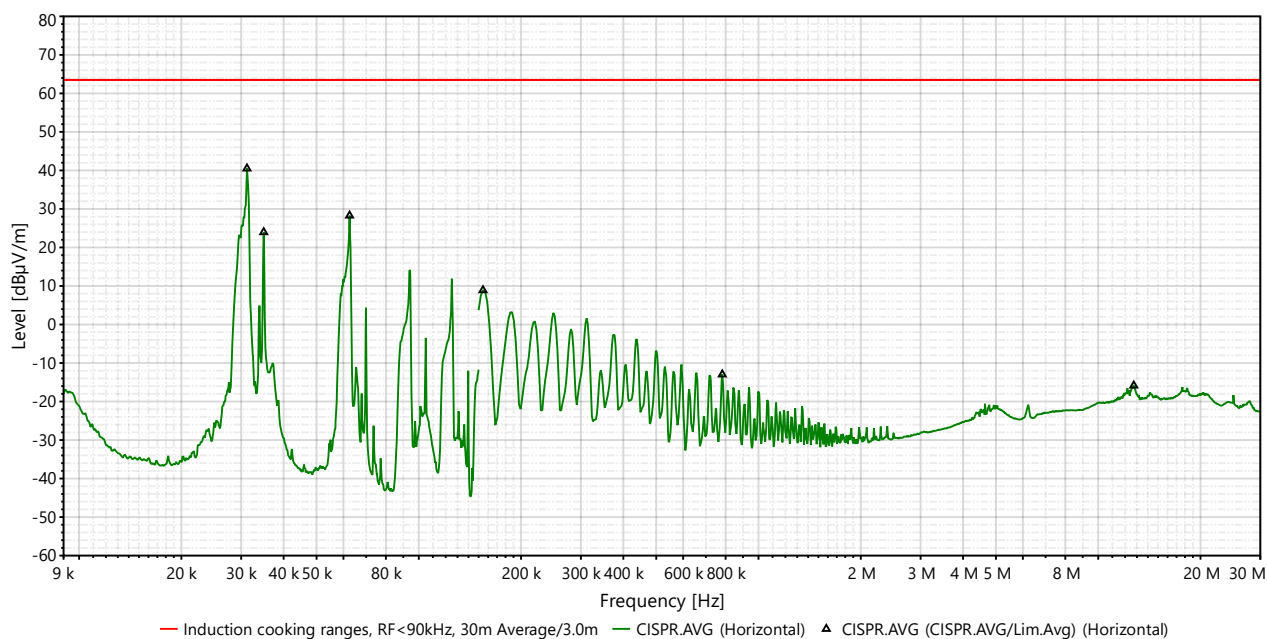
Supplementary information:	Formula to calculate w: $w = 2d \tan(0,5\theta_{3dB})$ Semi-anechoic chamber was selected as alternative test site, according to clauses 2.1 and 5.1 of FCC/OET MP-5. Correlation with standard test site (open area) is demonstrated as follow: • Range 9kHz-30MHz: correction factor applied to extrapolate values for 30 m distance. Internal procedure TPENC40 Rev.0 shows correlation between Open Area and Semi-anechoic chamber. Limits applied for 30 m distance, as indicated in §18.305(b). • Range ≥30 MHz: no correction factor is applied to the measurement because the chamber is compliant for NSA and S_{VSWR}, according to CISPR/ANSI standards. Limits recalculated for 3 m distance increasing 20 dB to 30 m limits (20 dB/decade), according also to §2.2.6 of FCC/OET MP-5.
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Results

Operating Mode:	1
Axis:	X
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

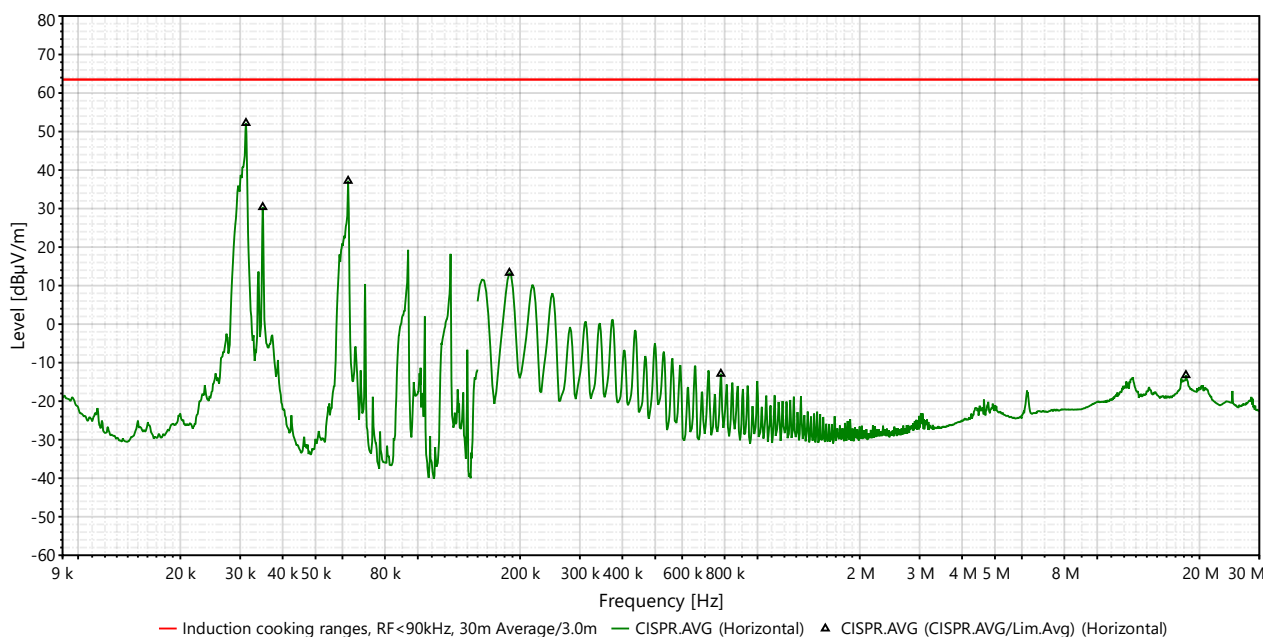
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0312	1	40.5	63.5	-23	179.6	-47.14
0.035	1	23.96	63.5	-39.54	239.6	-46.67
0.0626	1	28.27	63.5	-35.23	179.6	-44.13
0.1545	2	8.9	63.5	-54.6	179.6	-40.41
0.7823	2	-12.97	63.5	-76.47	209.6	-33.53
12.723	2	-15.85	63.5	-79.35	59.6	-20

Operating Mode:	1
Axis:	Y
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



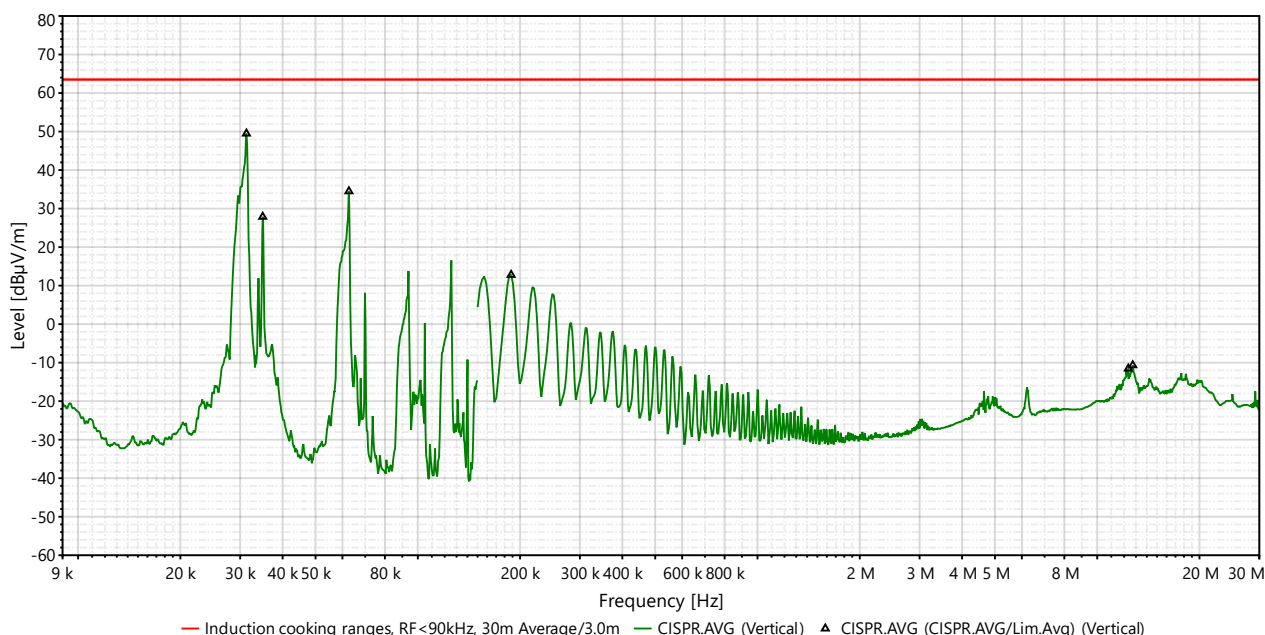
- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0312	1	52.22	63.5	-11.28	149.7	-47.14
0.035	1	30.38	63.5	-33.12	239.6	-46.67
0.0624	1	37.21	63.5	-26.29	149.7	-44.14
0.186	2	13.32	63.5	-50.18	179.6	-40.01
0.78	2	-12.89	63.5	-76.39	59.6	-33.59
18.2423	2	-13.24	63.5	-76.74	269.7	-19.18

Operating Mode:	1
Axis:	Z
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

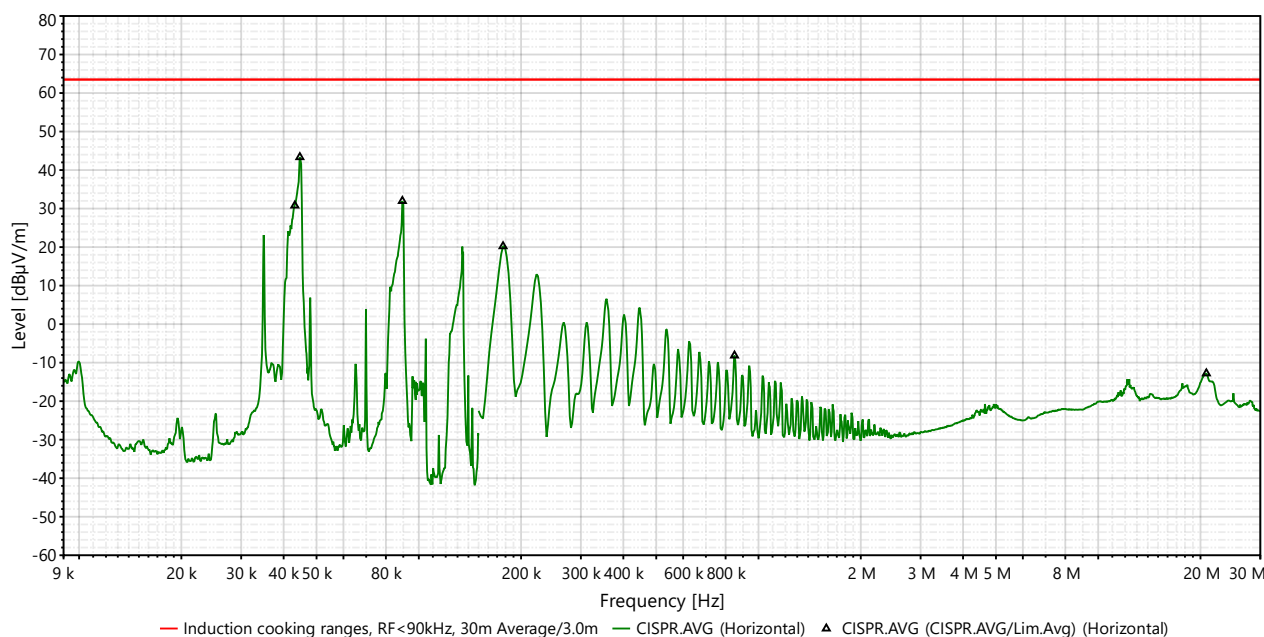
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0313	1	49.48	63.5	-14.02	150.3	-47.12
0.035	1	27.87	63.5	-35.63	240.3	-46.67
0.0627	1	34.49	63.5	-29.01	120.3	-44.12
0.1883	2	12.79	63.5	-50.71	150.3	-39.99
12.3473	2	-11.54	63.5	-75.04	300.4	-20.15
12.723	2	-10.68	63.5	-74.18	180.4	-20

Operating Mode:	2
Axis:	X
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

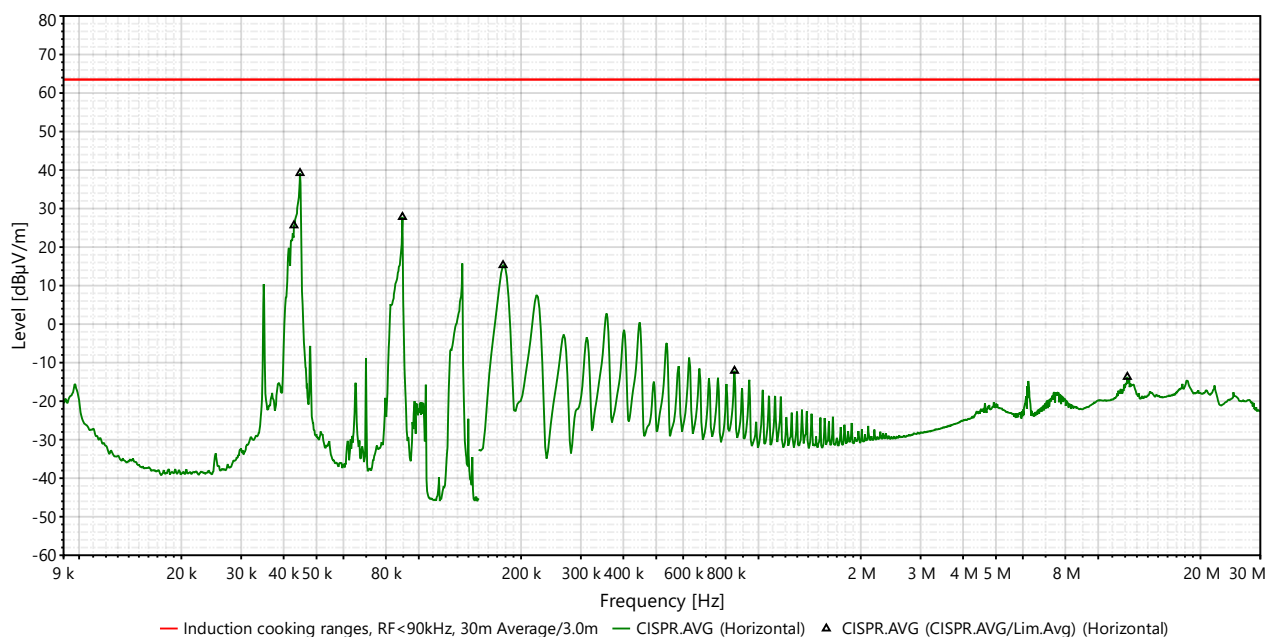
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0432	1	30.79	63.5	-32.71	180.4	-45.71
0.0447	1	43.35	63.5	-20.15	0.4	-45.58
0.0895	1	31.98	63.5	-31.52	0.4	-42.61
0.177	2	20.23	63.5	-43.27	0.4	-40.13
0.8498	2	-8.15	63.5	-71.65	0.4	-33.57
20.8118	2	-12.79	63.5	-76.29	300.4	-17.99

Operating Mode:	2
Axis:	Y
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

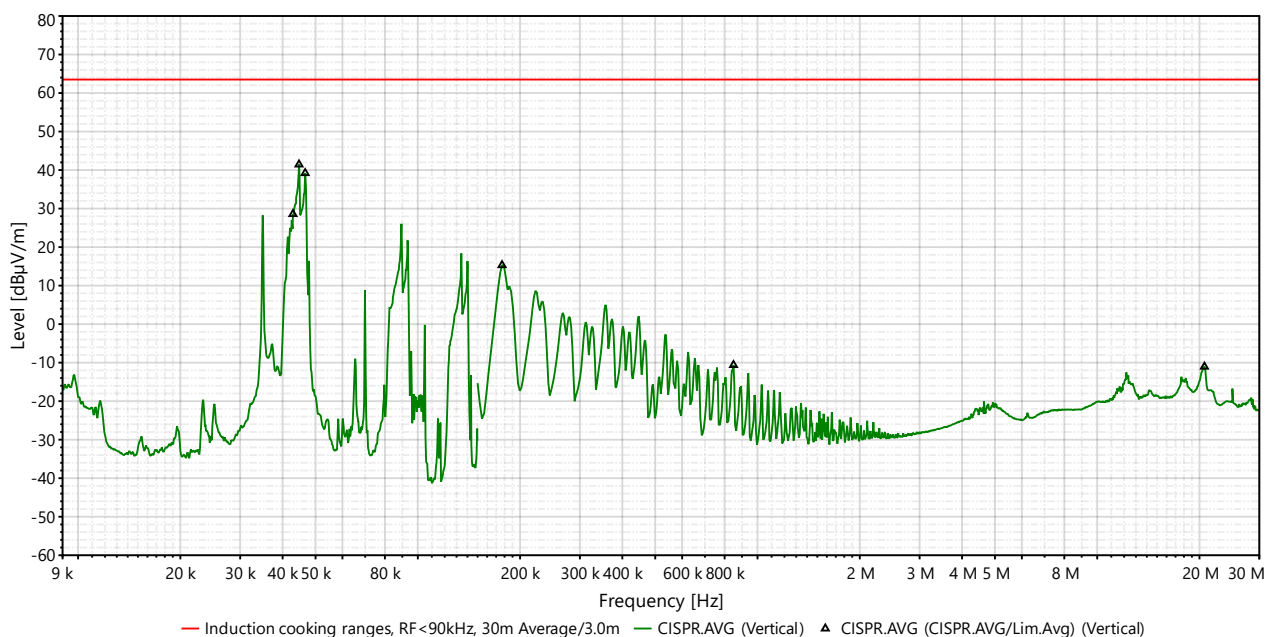
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0429	1	25.64	63.5	-37.86	90.4	-45.74
0.0447	1	39.22	63.5	-24.28	90.4	-45.57
0.0895	1	27.82	63.5	-35.68	90.4	-42.61
0.177	2	15.31	63.5	-48.19	90.4	-40.13
0.8498	2	-12.11	63.5	-75.61	90.4	-33.57
12.183	2	-13.69	63.5	-77.19	120.4	-20.22

Operating Mode:	2
Axis:	Z
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

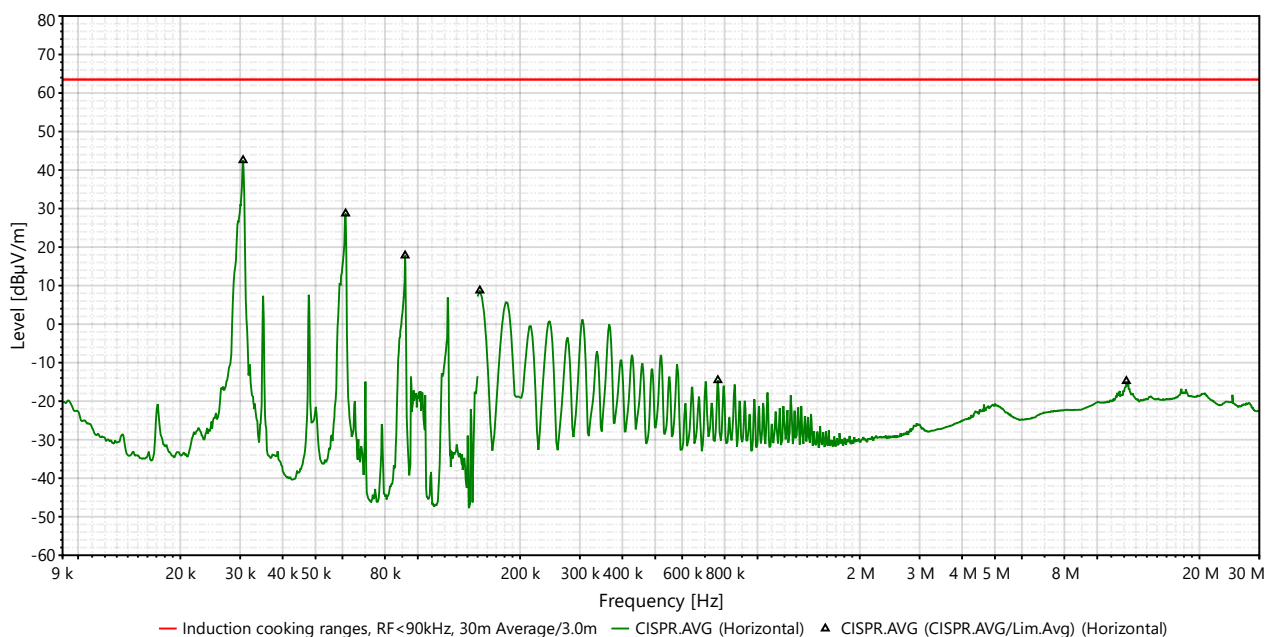
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0429	1	28.58	63.5	-34.92	0.4	-45.74
0.0447	1	41.45	63.5	-22.05	0.4	-45.57
0.0466	1	39.21	63.5	-24.29	329.5	-45.39
0.177	2	15.31	63.5	-48.19	0.4	-40.13
0.8498	2	-10.62	63.5	-74.12	0.4	-33.57
20.6813	2	-11.04	63.5	-74.54	329.5	-18.02

Operating Mode:	3
Axis:	X
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

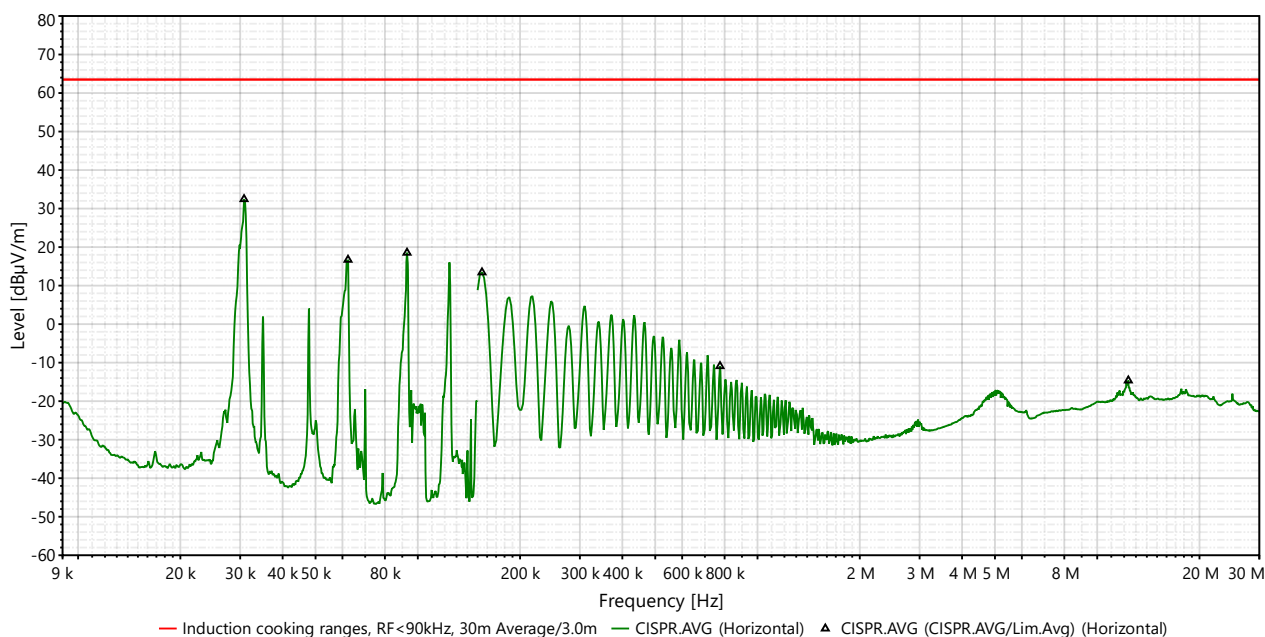
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0306	1	42.56	63.5	-20.94	300.5	-47.21
0.0613	1	28.72	63.5	-34.78	300.5	-44.21
0.0918	1	17.82	63.5	-45.68	270.4	-42.33
0.1523	2	8.73	63.5	-54.77	270.4	-40.44
0.7643	2	-14.56	63.5	-78.06	270.4	-34.04
12.183	2	-14.78	63.5	-78.28	90.4	-20.22

Operating Mode:	3
Axis:	Y
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

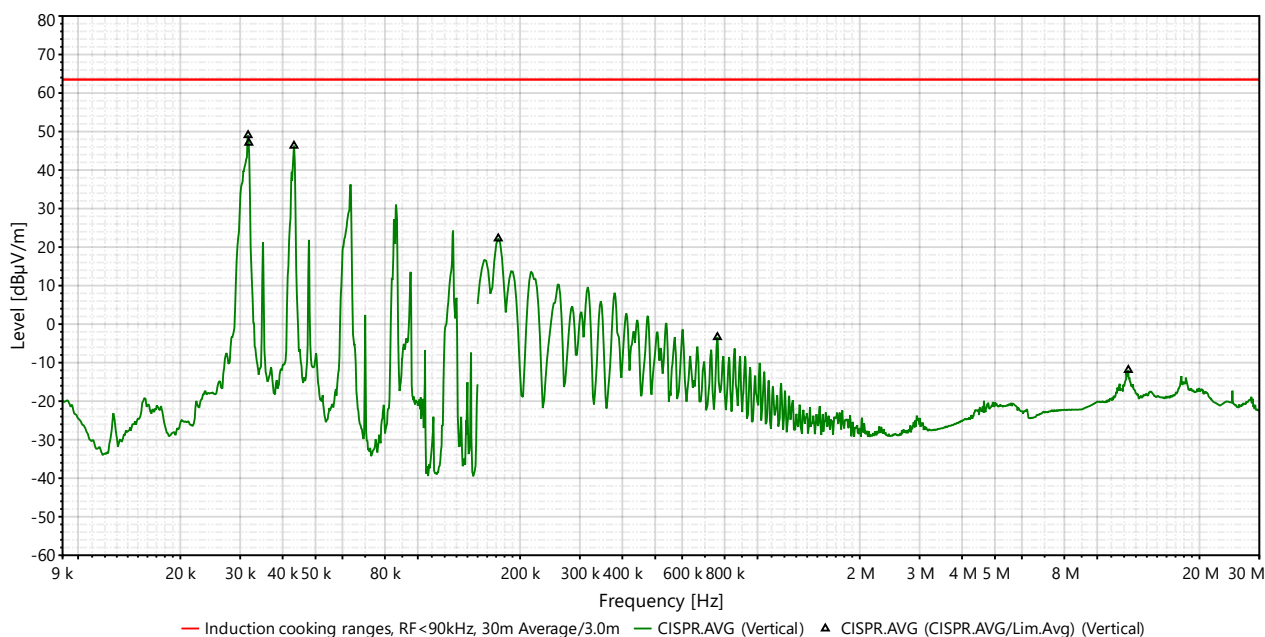
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0308	1	32.45	63.5	-31.05	59.5	-47.18
0.0623	1	16.71	63.5	-46.79	329.6	-44.14
0.093	1	18.55	63.5	-44.95	239.6	-42.15
0.1545	2	13.44	63.5	-50.06	239.6	-40.41
0.7755	2	-10.91	63.5	-74.41	239.6	-33.72
12.3473	2	-14.63	63.5	-78.13	179.5	-20.15

Operating Mode:	3
Axis:	Z
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

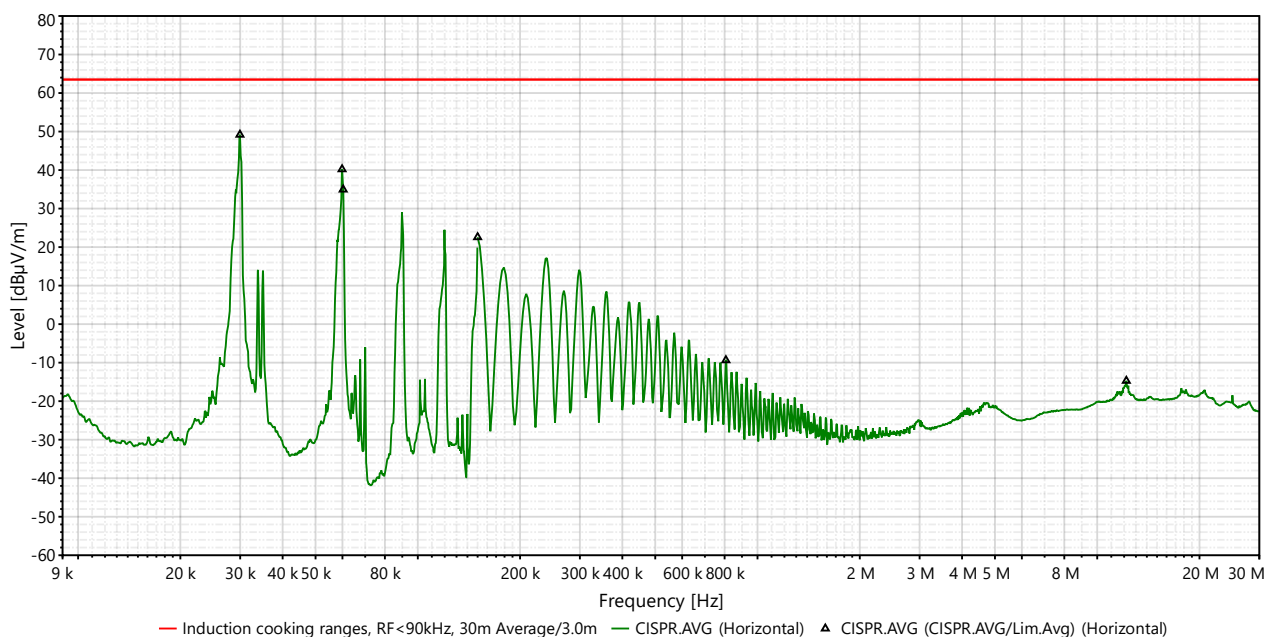
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0317	1	49.06	63.5	-14.44	270.4	-47.08
0.0318	1	47.09	63.5	-16.41	270.4	-47.06
0.0432	1	46.32	63.5	-17.18	240.4	-45.71
0.1725	2	22.25	63.5	-41.25	240.4	-40.19
0.762	2	-3.38	63.5	-66.88	300.3	-34.1
12.3473	2	-11.9	63.5	-75.4	0.4	-20.15

Operating Mode:	4
Axis:	X
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

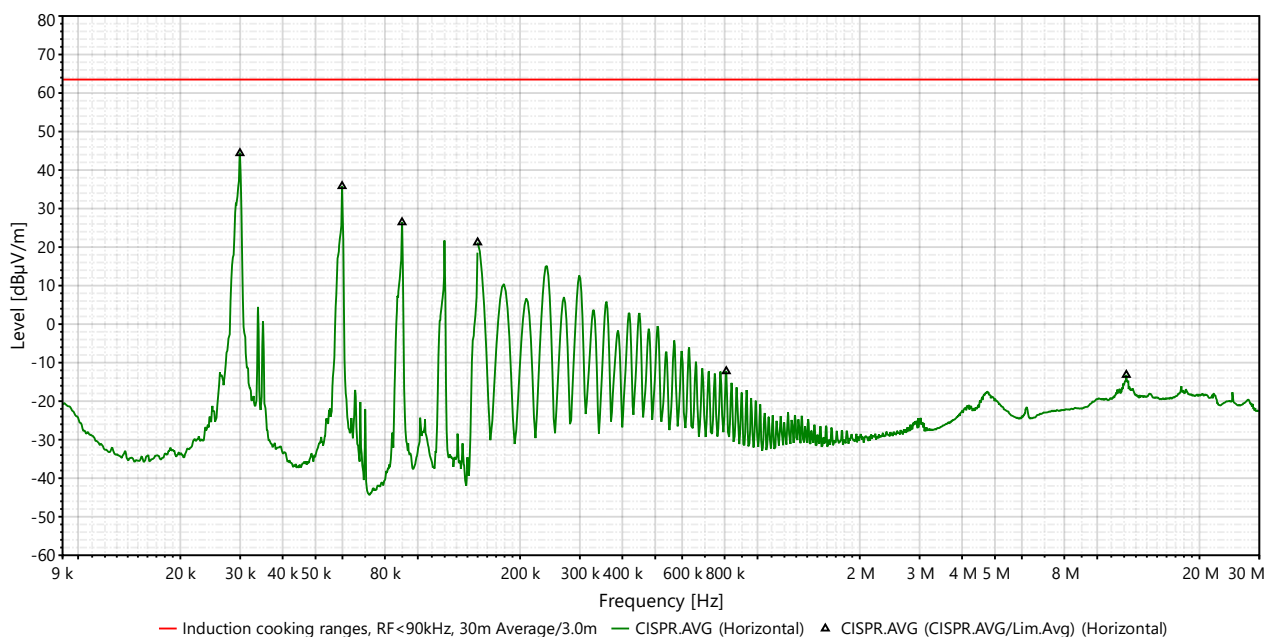
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.03	1	49.18	63.5	-14.32	209.6	-47.29
0.0599	1	40.21	63.5	-23.29	209.6	-44.3
0.0603	1	34.94	63.5	-28.56	0.7	-44.27
0.15	2	22.57	63.5	-40.93	299.6	-40.47
0.807	2	-9.37	63.5	-72.87	209.6	-33.07
12.1808	2	-14.71	63.5	-78.21	0.7	-20.22

Operating Mode:	4
Axis:	Y
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

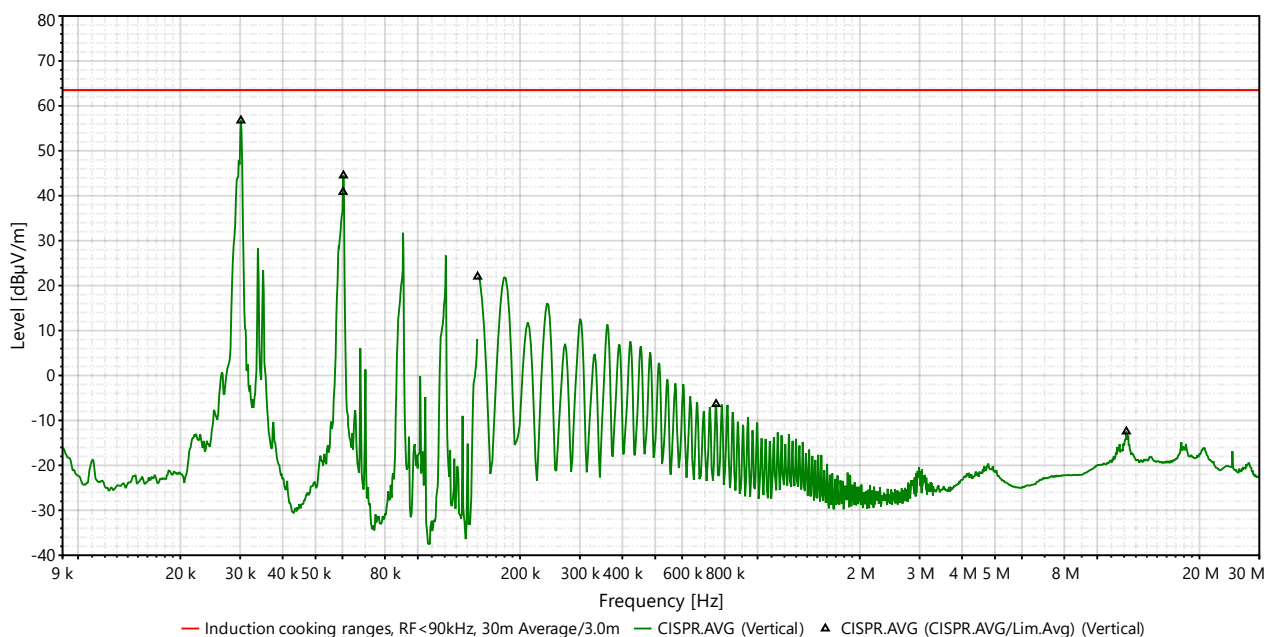
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.03	1	44.38	63.5	-19.12	269.7	-47.29
0.0599	1	35.83	63.5	-27.67	269.7	-44.3
0.0899	1	26.44	63.5	-37.06	239.7	-42.59
0.15	2	21.22	63.5	-42.28	239.7	-40.47
0.8093	2	-12.23	63.5	-75.73	239.7	-33.1
12.1808	2	-13.17	63.5	-76.67	29.6	-20.22

Operating Mode:	4
Axis:	Z
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

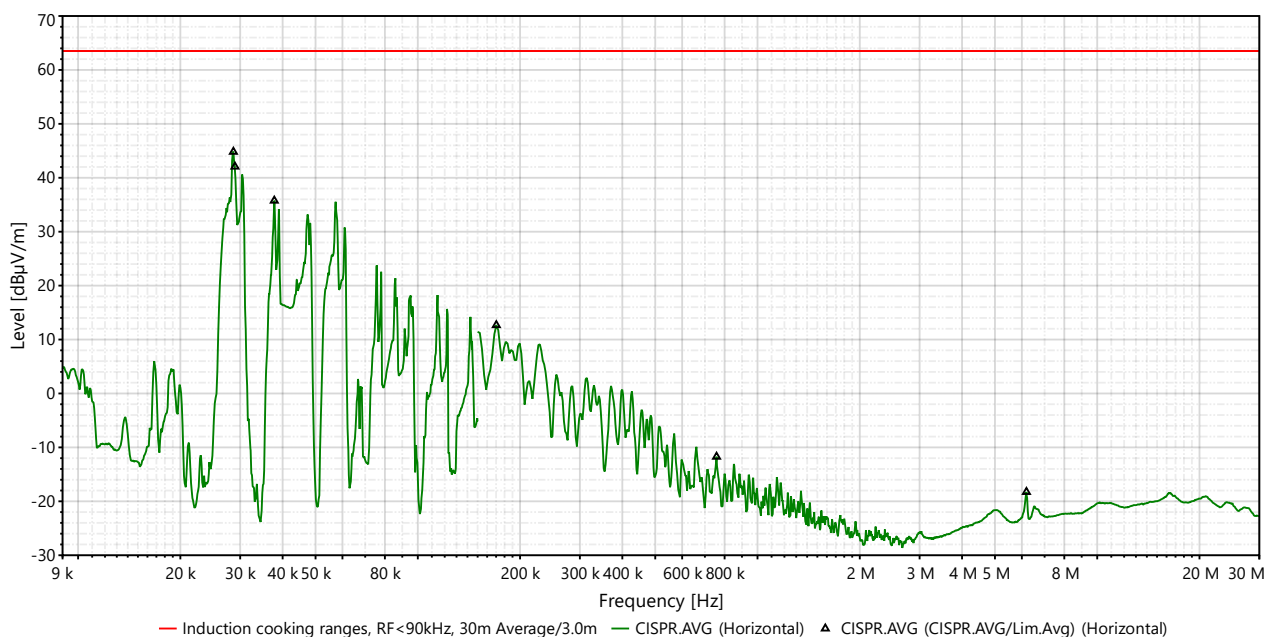
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0302	1	56.74	63.5	-6.76	239.7	-47.26
0.0603	1	40.84	63.5	-22.66	239.7	-44.27
0.0604	1	44.51	63.5	-18.99	269.7	-44.26
0.15	2	22	63.5	-41.5	299.6	-40.47
0.7553	2	-6.36	63.5	-69.86	239.7	-34.28
12.183	2	-12.47	63.5	-75.97	329.7	-20.22

Operating Mode:	5
Axis:	X
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

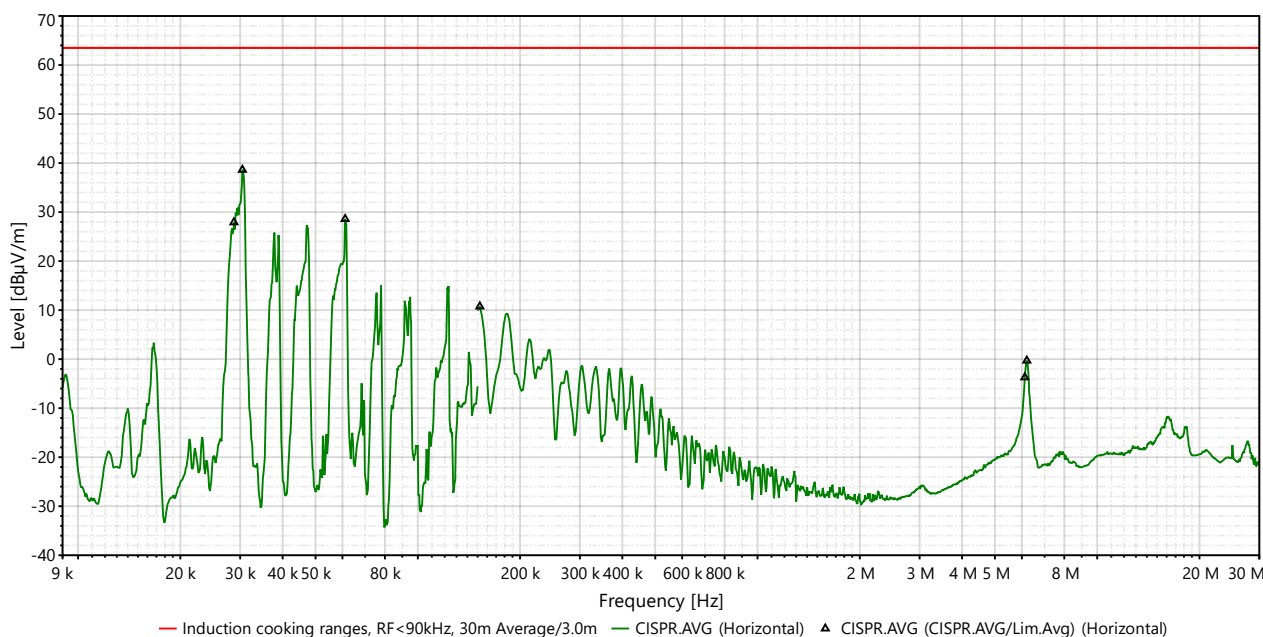
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0287	1	44.82	63.5	-18.68	120.4	-47.57
0.029	1	42.07	63.5	-21.43	330.3	-47.51
0.0378	1	35.76	63.5	-27.74	330.3	-46.3
0.1703	2	12.67	63.5	-50.83	30.3	-40.22
0.7575	2	-11.73	63.5	-75.23	90.4	-34.22
6.189	2	-18.26	63.5	-81.76	150.4	-24.25

Operating Mode:	5
Axis:	Y
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

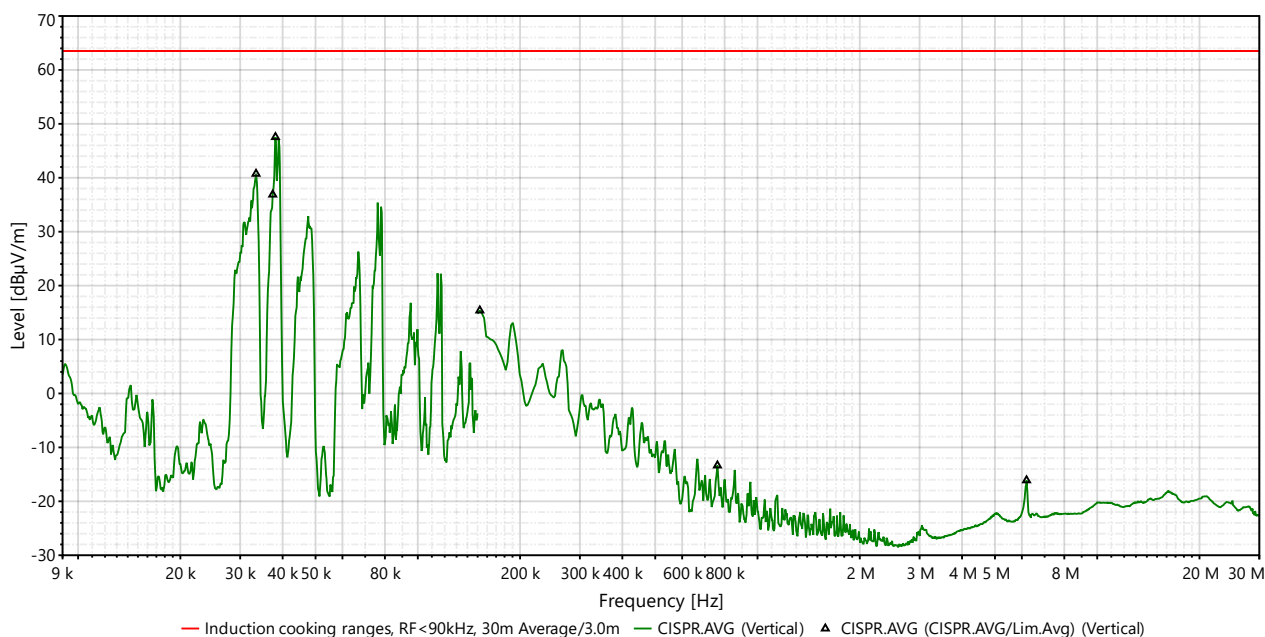
Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0288	1	27.91	63.5	-35.59	59.6	-47.55
0.0305	1	38.62	63.5	-24.88	59.6	-47.23
0.0611	1	28.6	63.5	-34.9	59.6	-44.22
0.1523	2	10.75	63.5	-52.75	119.6	-40.44
6.1215	2	-3.72	63.5	-67.22	329.7	-24.4
6.2048	2	-0.3	63.5	-63.8	0.4	-24.22

Operating Mode:	5
Axis:	Z
Test result:	Pass

Start Frequency: 9 kHz; Stop Frequency: 150 kHz; Step: 50 Hz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 200 Hz; VBW: Auto; Preamplifier: OFF; Preselector: ON

Start Frequency: 150 kHz; Stop Frequency: 30 MHz; Step: 2.25 kHz; Sweep Time: 1 s/Step; RF Attenuation: Auto; RBW: 9 kHz; VBW: Auto; Preamplifier: OFF; Preselector: ON



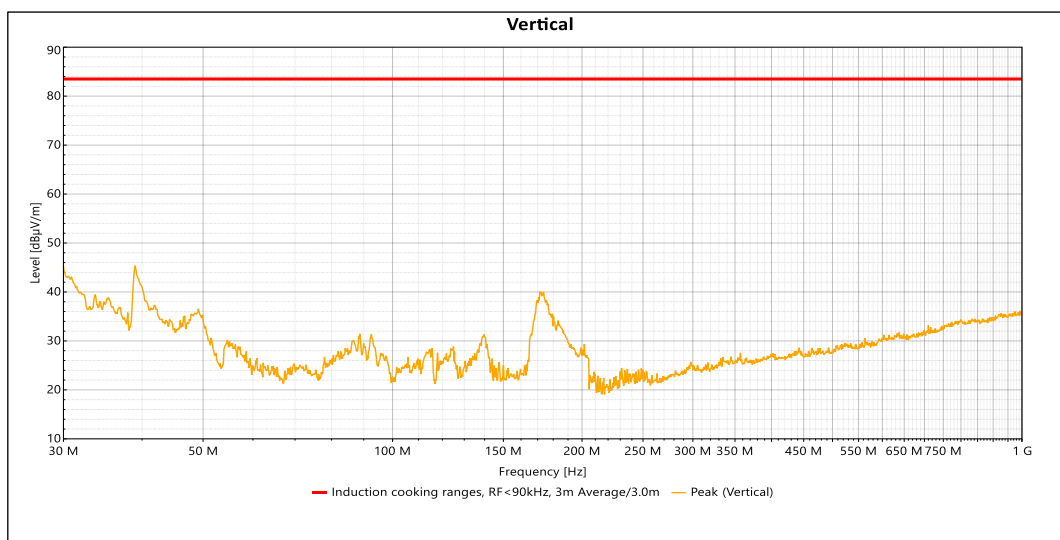
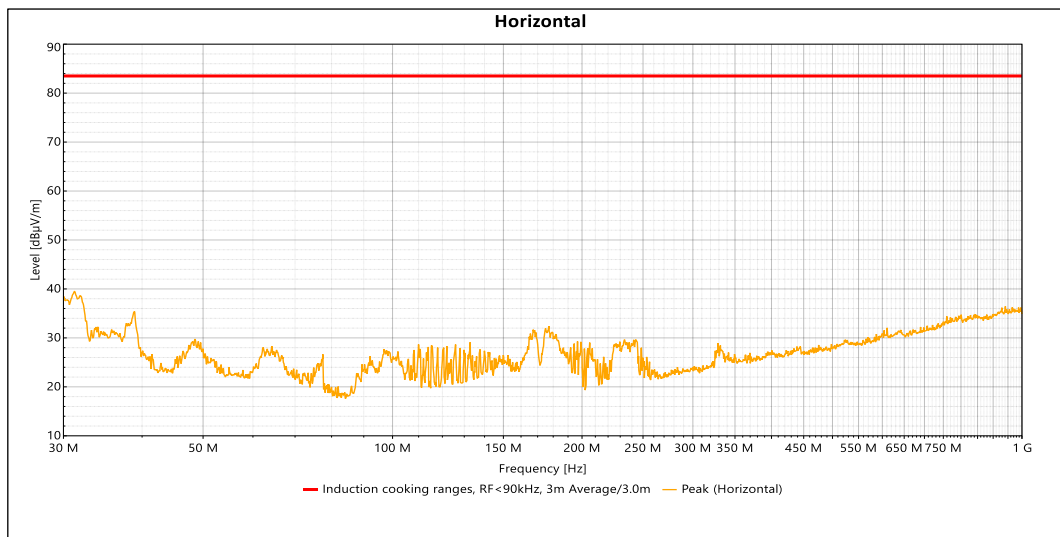
- ☐ The emissions are below the measurement system noise floor or 20 dB or more below the limit
☒ The measurement results of highest emissions relative to the limit for each detector type are shown below:

Final Measurement Table

Frequency (MHz)	SR #	Measure CAvg (dBμV/m)	Limit Avg (dBμV/m)	Margin (dB)	Angle (°)	Correction (dB)
0.0334	1	40.74	63.5	-22.76	29.6	-46.86
0.0374	1	36.88	63.5	-26.62	29.6	-46.35
0.0381	1	47.55	63.5	-15.95	29.6	-46.26
0.1523	2	15.39	63.5	-48.11	29.6	-40.44
0.762	2	-13.35	63.5	-76.85	89.6	-34.1
6.1935	2	-16.11	63.5	-79.61	149.6	-24.24

Operating Mode:	1
Test result:	Pass

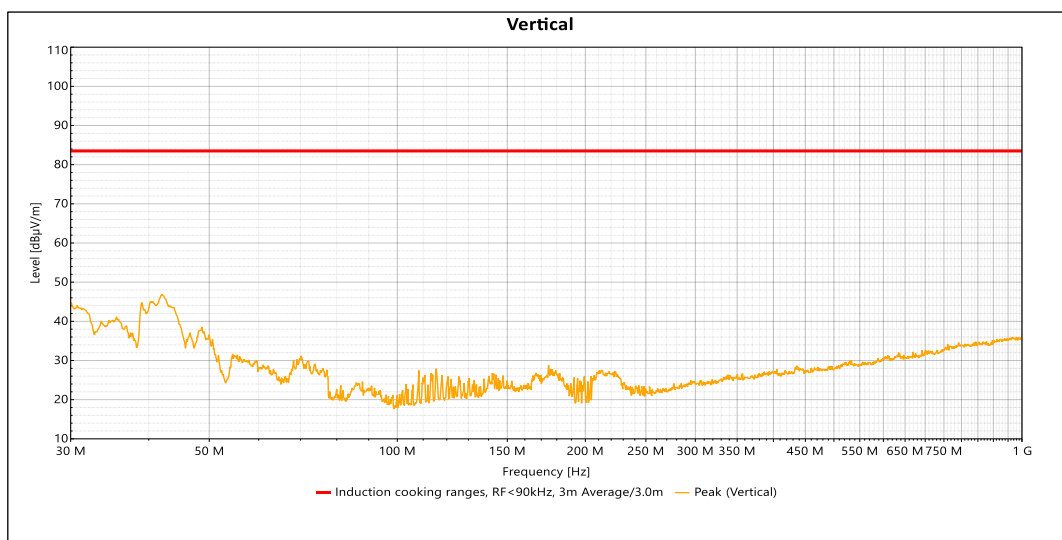
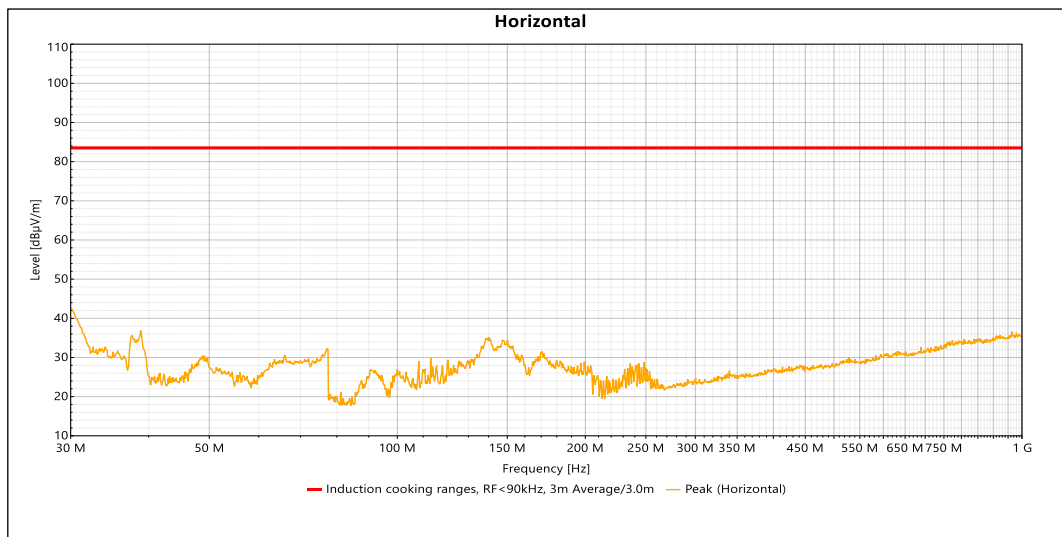
Start Frequency: 30 MHz; Stop Frequency: 1 GHz; Step: 30 kHz; Sweep Time: 20 ms/Step; RF Attenuation: Auto; RBW: 120 kHz; VBW: Auto; Preamplifier: ON; Preselector: ON



- ☒ The emissions are below the measurement system noise floor or 20 dB or more below the limit
- ☐ The measurement results of highest emissions relative to the limit for each detector type are shown below:

Operating Mode:	2
Test result:	Pass

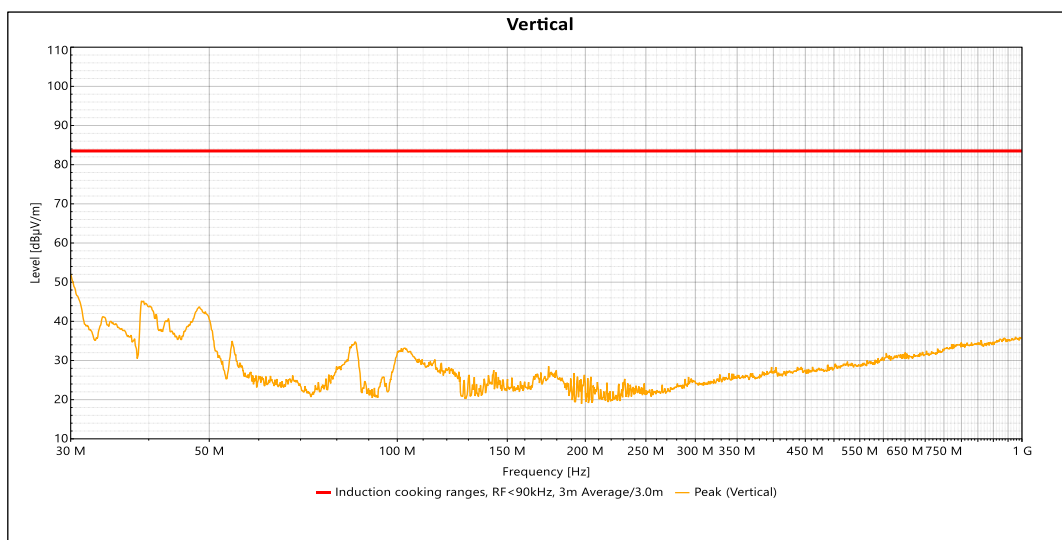
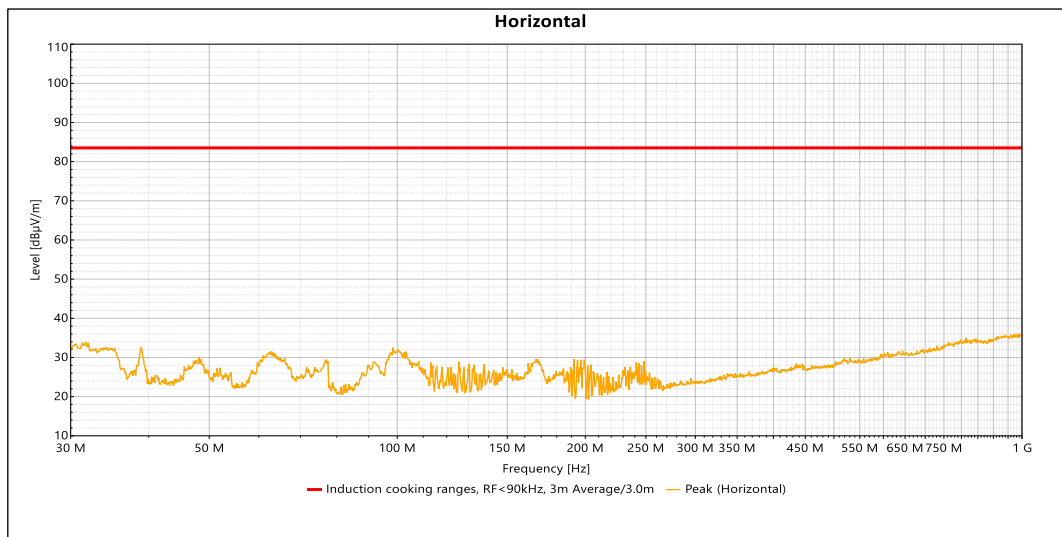
Start Frequency: 30 MHz; Stop Frequency: 1 GHz; Step: 30 kHz; Sweep Time: 20 ms/Step; RF Attenuation: Auto; RBW: 120 kHz; VBW: Auto; Preamplifier: ON; Preselector: ON



- ☒ The emissions are below the measurement system noise floor or 20 dB or more below the limit
- ☐ The measurement results of highest emissions relative to the limit for each detector type are shown below:

Operating Mode:	3
Test result:	Pass

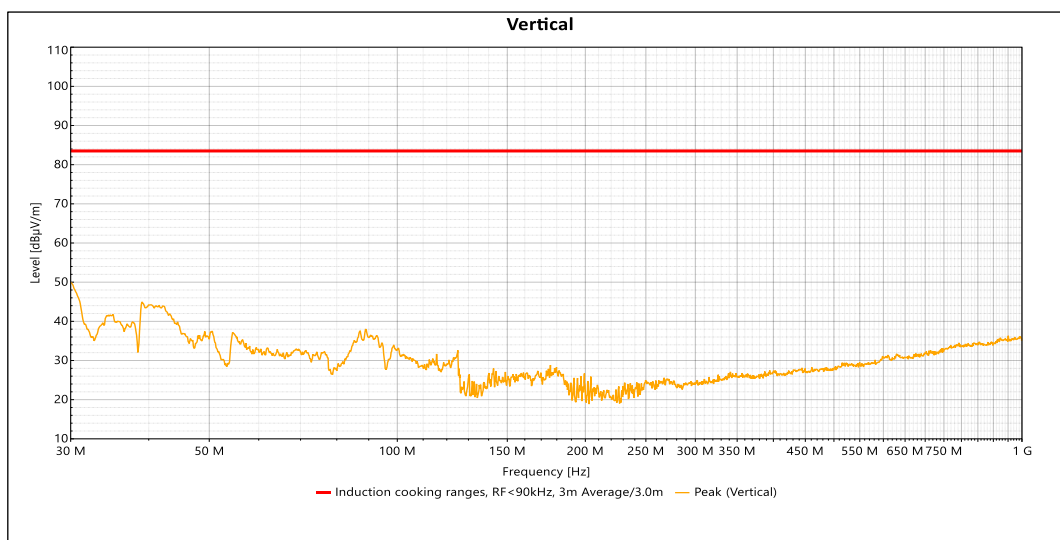
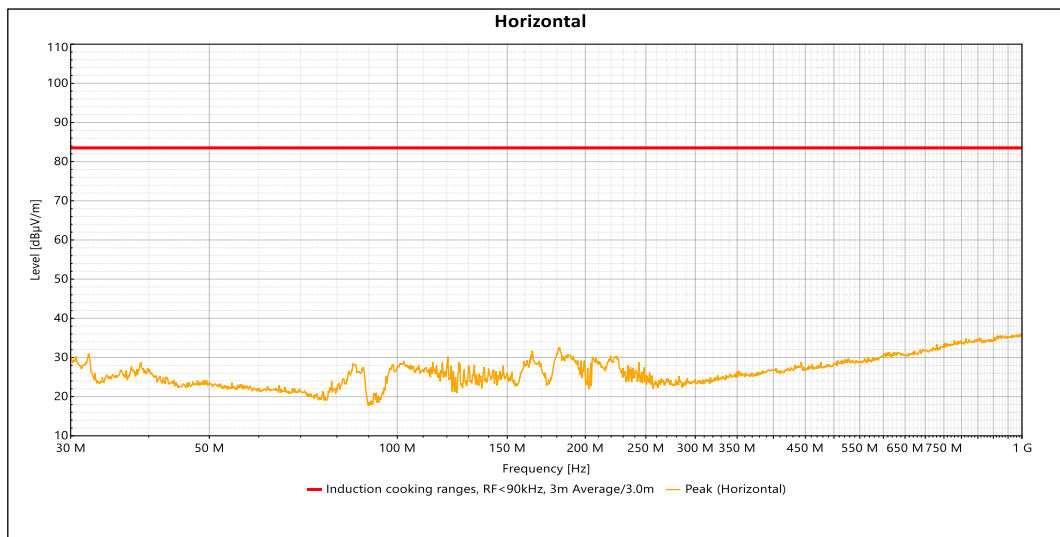
Start Frequency: 30 MHz; Stop Frequency: 1 GHz; Step: 30 kHz; Sweep Time: 20 ms/Step; RF Attenuation: Auto; RBW: 120 kHz; VBW: Auto; Preamplifier: ON; Preselector: ON



- ☒ The emissions are below the measurement system noise floor or 20 dB or more below the limit
- ☐ The measurement results of highest emissions relative to the limit for each detector type are shown below:

Operating Mode:	4
Test result:	Pass

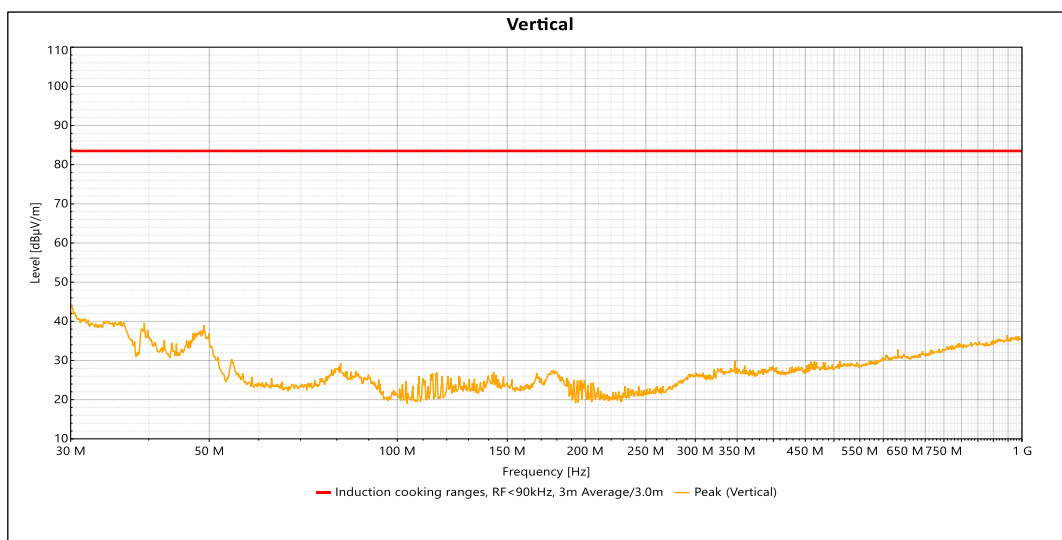
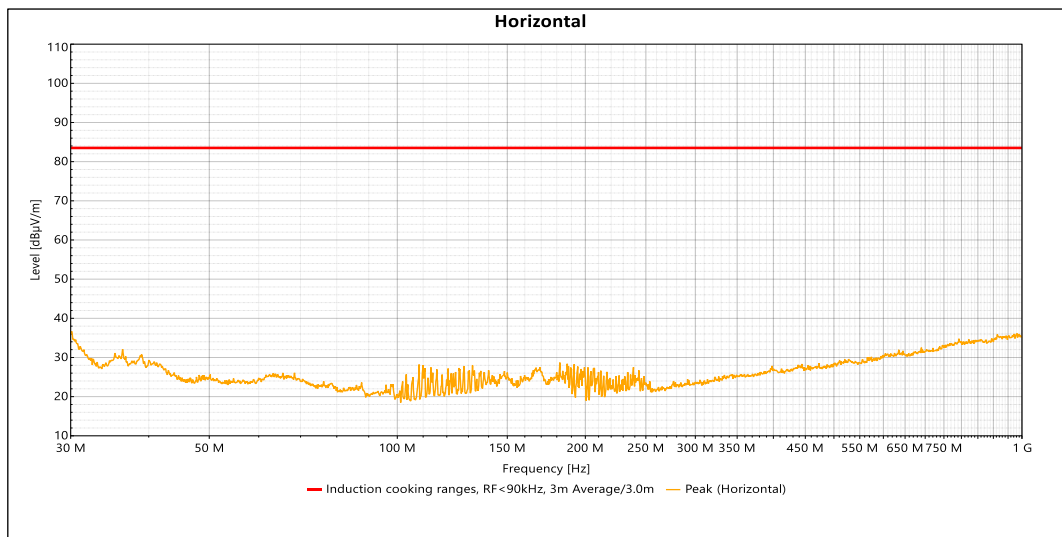
Start Frequency: 30 MHz; Stop Frequency: 1 GHz; Step: 30 kHz; Sweep Time: 20 ms/Step; RF Attenuation: Auto; RBW: 120 kHz; VBW: Auto; Preamplifier: ON; Preselector: ON



- ☒ The emissions are below the measurement system noise floor or 20 dB or more below the limit
- ☐ The measurement results of highest emissions relative to the limit for each detector type are shown below:

Operating Mode:	5
Test result:	Pass

Start Frequency: 30 MHz; Stop Frequency: 1 GHz; Step: 30 kHz; Sweep Time: 20 ms/Step; RF Attenuation: Auto; RBW: 120 kHz; VBW: Auto; Preamplifier: ON; Preselector: ON



- ☒ The emissions are below the measurement system noise floor or 20 dB or more below the limit
- ☐ The measurement results of highest emissions relative to the limit for each detector type are shown below:

5 List of test equipment

Equipment	Type	Inventory number	Manufacturer	Serial Number	Last calibration date	Calibration due date
Test Stand: RF conducted						
Shielded Room 2 RF Emission	-	210412	ETS-Lindgren	-	-	-
RF CABLES	LMR-240	175758	TIMES MICROWAVE SYSTEMS	None	2024-02-22	2025-02-28
Line Impedance Stabilization Network 3PH32A	ENV432	154695	Rohde & Schwarz	101335	2025-01-09	2026-01-28
EMI TEST RECEIVER	ESR7	204729	Rohde & Schwarz	102380	2024-04-12	2025-06-28
Software - EMC	BAT-EMC	156535	Nexio Technologies		-	-
Sheat current blocking cable	MSS 9630	210320	Schwarzbeck Mess-Elektronik OHG	None	2024-09-05	2025-09-28
Test Stand: Radiated emission 9 kHz to 30 MHz						
Software - EMC	BAT-EMC	156535	Nexio Technologies		-	-
12m N(m)-N(m) RF cable	Hyperflex 5 12m	248398	Kabel Kusch	None	2024-05-14	2025-05-28
EMI TEST RECEIVER	ESW26	246431	Rohde & Schwarz (Koeln) GmbH & Co. KG	103182	2024-03-07	2025-03-28
DC Power Injector	PI 6121	155980	Teseq, Inc	-	-	-
SEMI-ANECHOIC CHAMBER	FACT3-1.2 STD	210407	ETS-Lindgren	-	-	-
Active Loop Antenna	HLA 6121	155933	Teseq, Inc	45746	2023-02-06	2025-02-28
Antenna Tripod	CTP 6099	155934	Teseq, Inc	-	-	-
Center, Modular RF Platform	7000-011	210859	ETS-Lindgren	00231682	-	-

Test Stand: Radiated emission 30 MHz to 1 GHz						
NSA Normalized Site Attenuation	NSA FACT3-1.2 STD	210410	ETS-Lindgren	NSA FACT3-1.2 STD	2022-04-12	2025-04-28
SEMI-ANECHOIC CHAMBER	FACT3-1.2 STD	210407	ETS-Lindgren	-	-	-
6dB Attenuator	DGA 9552 N	210263	Schwarzbeck Mess-Elektronik OHG	CH9006	2024-09-05	2025-09-28
Trilog-Broadband Antenna	VULB 9168	210290	Schwarzbeck Mess-Elektronik OHG	1244	2023-08-25	2025-08-28
EMI TEST RECEIVER	ESW26	246431	Rohde & Schwarz (Koeln) GmbH & Co. KG	103182	2024-03-07	2025-03-28
Center, Modular RF Platform	7000-011	210859	ETS-Lindgren	00231682	-	-
Cable 2000mm - 18 GHz	SF126/11SMA/11N/2000	220503	Huber+Suhner	554756/126	2024-05-10	2025-05-28
Cable 8000mm - 18 GHz	SF126/11N/11N/8000	220502	Huber+Suhner	556226/126	2024-05-10	2025-05-28
Software - EMC	BAT-EMC	156535	Nexio Technologies	-	-	-
Tilting Antenna Mast Positioning Tower	2171B/2170B	135821	ETS-Lindgren (Cedar Park, Texas)	-	-	-
Test Stand: Auxiliary equipment						
Mini Datalogger (SR2)	174H	211146	Testo	83293175	2024-10-25	2025-10-28
Mini Datalogger (FACT3)	174H	211147	Testo	83306371	2024-10-25	2025-10-28
Tape Measure	5.0 m	173756	TAJIMA	None	2022-11-07	2025-11-28
TRUE-RMS DIGITAL MULTIMETER	289	169495	Fluke Corporation	40780217	2023-04-05	2025-04-28
Laser Measure	RSLDM-50H	224436	RS Pro	210743764	2023-11-10	2025-11-28
TEST POWER SUPPLY	TPS/T/18K 54S	37619	Elettrotest S.p.A.	-	-	-

6 Measurement instrumentation uncertainties

The Uncertainty of Measurement (UoM) for each unit measured in this Test Report was estimated in accordance with the UL International Italia document No. 23-CL-G0025 and is retained on file. Details of the estimation of UoM may be made available upon request, in particular for quantities not listed.

Measurement	Frequency Range	Ucisp/std.	Ulab	Compliance margin	Unit
Conducted disturbance at mains and other port power using V-AMN	9 kHz to 150 kHz	3.83	3.71	0.00	dB
Conducted disturbance at mains and other port power using V-AMN	150 kHz to 30 MHz	3.44	3.32	0.00	dB
Conducted disturbance at mains and other port power using Δ-AMN	150 kHz to 30 MHz	5.86	5.39	0.00	dB
Conducted disturbance at mains port using VP (1)	9 kHz to 30 MHz	2.91	2.75	0.00	dB
Conducted disturbance at telecommunication port using AAN (2)	150 kHz to 30 MHz	5.03	4.93	0.00	dB
Conducted disturbance at telecommunication port using CVP (3)	150 kHz to 30 MHz	3.85	3.75	0.00	dB
Conducted disturbance at telecommunication port using CP (3)	150 kHz to 30 MHz	2.89	2.83	0.00	dB
Conducted disturbance at telecommunication port using CP and CVP (3)	150 kHz to 30 MHz	4.00	3.90	0.00	dB
Disturbance power	30 MHz to 300 MHz	4.52	3.81	0.00	dB
Radiated disturbance (disturbance current in a LLAS)	9 kHz to 30 MHz	3.30	3.19	0.00	dB
Radiated disturbance (magnetic field using a loop antenna)	9 kHz to 30 MHz	n.d.	3.16	0.00	dB
Radiated disturbance (electric field strength in SAC 3, hybrid antenna, Hor)	30 MHz to 1000 MHz	5.21	4.22	0.00	dB
Radiated disturbance (electric field strength in SAC 3, hybrid antenna, Ver)	30 MHz to 1000 MHz	6.32	5.64	0.00	dB
Radiated disturbance (electric field strength in SAC 5, hybrid antenna, Hor)	30 MHz to 1000 MHz	5.21	3.98	0.00	dB
Radiated disturbance (electric field strength in SAC 5, hybrid antenna, Ver)	30 MHz to 1000 MHz	6.32	5.66	0.00	dB
Radiated disturbance (electric field strength in FAR 3)	30 MHz to 1000 MHz	5.29	4.51	0.00	dB
Radiated disturbance (electric field strength in FSOATS 3) (4)	1 GHz to 6 GHz	5.18	5.43	-0.25	dB
Radiated disturbance (electric field strength in FSOATS 3) (5)	1 GHz to 6 GHz	5.18	4.29	0.00	dB
Radiated disturbance (electric field strength in FSOATS 3) (4)	6 GHz to 18 GHz	5.48	5.18	0.00	dB
Radiated disturbance (electric field strength in FSOATS 3) (5)	6 GHz to 18 GHz	5.48	4.22	0.00	dB
Radiated disturbance (electric field strength in FSOATS 5) (4)	1 GHz to 6 GHz	5.18	5.12	0.00	dB
Radiated disturbance (electric field strength in FSOATS 5) (5)	1 GHz to 6 GHz	5.18	4.13	0.00	dB
Radiated disturbance (electric field strength in FSOATS 5) (4)	6 GHz to 18 GHz	5.48	5.63	-0.15	dB
Radiated disturbance (electric field strength in FSOATS 5) (5)	6 GHz to 18 GHz	5.48	4.54	0.00	dB
Radiated disturbance (electric field strength in FAR 3) (4)	1 GHz to 6 GHz	5.18	5.21	-0.03	dB
Radiated disturbance (electric field strength in FAR 3) (5)	1 GHz to 6 GHz	5.18	3.95	0.00	dB
Radiated disturbance (electric field strength in FAR 3) (4)	6 GHz to 18 GHz	5.48	5.47	0.00	dB
Radiated disturbance (electric field strength in FAR 3) (5)	6 GHz to 18 GHz	5.48	4.47	0.00	dB
Conducted disturbance at mains port using CDNE	30 MHz to 300 MHz	3.79	3.67	0.00	dB
Radiated disturbance (electric field strength in FSOATS 3) (4)	18 GHz to 40 GHz	n.d.	7.63	0.00	dB
Radiated disturbance (electric field strength in FSOATS 5) (4)	18 GHz to 40 GHz	n.d.	7.63	0.00	dB
Radiated disturbance (electric field strength in FAR 3) (4)	18 GHz to 40 GHz	n.d.	7.63	0.00	dB
Mains harmonic current emissions (6)	0 Hz to 2.4 kHz	5 or 0.15	1.18	0.00	% rdg
Voltage fluctuations and flicker (7)	50/60 Hz	8.0	6.24	0.00	% rdg
Radiated, RF, electromagnetic field immunity test (8)	80 MHz to 6 GHz	n.d.	3.14	n.a.	dB
Immunity to conducted disturbances, induced RF Fields (CDN)	150 kHz to 230 MHz	n.d.	1.62	n.a.	dB
Immunity to conducted disturbances, induced RF Fields (EM clamp)	150 kHz to 230 MHz	n.d.	3.31	n.a.	dB
Immunity to conducted disturbances, induced RF Fields (Direct injection)	150 kHz to 230 MHz	n.d.	3.11	n.a.	dB
Radiated disturbance test for keyless entry	2 kHz to 185 kHz	n.d.	3.92	n.a.	dB
Van der Hoofden test (9)	20 kHz to 10 MHz	2.28	0.82	0.00	dB
Immunity to radiated fields in close proximity	30 kHz to 13.56 MHz	n.d.	1.39	n.a.	dB

Legend/Remarks:

n.d.: not defined; n.a.: not applicable.

(1) This value is valid only for emission limits not defined for AMN test method.

(2) AAN with aLCL=75...60 dB.

(3) This value is valid only for emission limits not defined for AAN test method.

(4) Using external EMI preamplifier.

(5) Not using external EMI preamplifier.

(6) Ustd., whichever is greater between 5 % of the permissible limit value or 0.15 % of the rated current of the tested product.

(7) Ustd., whichever is greater between 8 % of the permissible limit value or 8 % of the measured value.

(8) The uncertainty contribution for field homogeneity including test site effects is under consideration, according to the standard.

(9) 2.28 dB is the logarithmic value of 30 %, selected as worst case between -3.10 dB (-30 %) and +2.28 dB (+30 %).

Supplementary information:

- The measurement uncertainty values are calculated and correspond to an expansion factor (coverage factor) $k = 2$ (which provide confidence level of 95.45 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).

- The uncertainty related to the calibration of test instrument and facilities specified in the relevant basic standards IEC 61000-4-x need not be recorded in the test report. In particular, the test parameters and test levels of the immunity tests shall not be changed to take test uncertainty into account. If needed, calibration uncertainty values will be calculated separately.

- Listed values are intended with prefix "±".

< END OF TEST REPORT >