TEST REPORT

Report Number: 15438318-E1V1

Applicant	:	BORA Vertriebs GmbH Co. KG Innstrasse 1, Niederndorf, 6342, Austria
Model(s)	:	KPURENA, MPURENA
FCC ID	:	2BK2HKMPURE
EUT Description	:	INDUCTION COOKTOP
Test Standard(s)	:	FCC 47 CFR PART 1 SUBPART I FCC 47 CFR PART 2 SUBPART J

Date Of Issue:
2025-03-18

Prepared by:
UL Verification Services Inc.
47173 Benicia Street
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ACCREDITED
CERT #0751.05

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2025-03-18	Initial Issue	---

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TABLE OF CONTENTS

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: BORA Vertriebs GmbH Co. KG
Innstrasse 1,
Niederndorf, 6342, Austria

EUT DESCRIPTION: INDUCTION COOKTOP

MODEL NUMBER: KPURENA, MPURENA

BRAND: BORA

SERIAL NUMBER: 2411KA3605, 2411JA3008

SAMPLE RECEIPT DATE: 2024-12-10

DATE TESTED: 2025-03-03 TO 2025-03-11

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC 47 CFR PART 1 SUBPART I & PART 2 SUBPART J	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.

Approved & Released For
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2. TEST METHODOLOGY

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for correctly integrating customer-provided data with measurements performed by UL Verification Services Inc.

All testing / calculations were made in accordance with.

- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 447498 D03 Supplement C Cross-Reference v01
- FCC KDB 680106 D01 Wireless Power Transfer v04
- FCC Parts 1.1310, 2.1091, IEEE Std C95.1-2005, IEEE Std C95.3-2002

3. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☐	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☐	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

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4. DECISION RULES AND MEASUREMENT UNCERTAINTY (RF EXPOSURE)

4.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

4.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U_{Lab}
Magnetic Field Reading (A/m)	+/-0.3 dB
Electric Field Reading (V/m)	+/-0.3 dB

Uncertainty figures are valid to a confidence level of 95.45%.

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5. SUMMARY OF EUT RF EXPOSURE INFORMATION

Requirement	Device
(1) The power transfer frequency is below 1 MHz.	Yes. 25kHz to 65kHz
(2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.	No. The maximum power is 3kW.
(3) A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)	Yes. The client device is placed directly in contact with the transmitter.
(4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).	Yes. EUT is mobile only.
(5) The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.	No. Refer to Section 8.2 Model KPURENA: Worst E- Field: 96.99% (80.5 V/m) Worst H-field: 6.36% (5.72 A/m) Model MPURENA: Worst E- Field: 93.13% (77.3 V/m) Worst H-field: 5.17% (4.65 A/m)
(6) For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.	Yes. The system has four individual heating plates and allows for capable energy transfer simultaneously for four clients.

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6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The EUT is an induction 30” or 36” cooktop with four heating elements and centrally located vent.

6.2. SOFTWARE AND FIRMWARE

The firmware version installed in the EUT during testing was 4.29

6.3. WORST-CASE CONFIGURATION AND MODE

Direct contact only and using ferromagnetic material pans filled with water as load for testing at 20cm away from the enclosure of the EUT. Measurement at Top/bottom of the heating plates are not tested due to uncommon scenario. Pan size does not influence the output power as the plates have no multizone detection.

EUT is mobile device. The following 30” and 36” cooktop configurations were tested as worst-case:

6.3.1. Model: KPURENA

Config	Description	Freq/ distance/ Location	Test Mode
1	The following pan size (Rx load) is used for testing for each plate (Tx coil) when pan is placed at center of the plate. •160mm Plate 1: Pan inner diameter 140mm •200mm Plate 2: Pan inner diameter 185mm •220mm Plate 3: Pan inner diameter 220mm •220mm Plate 4: Pan inner diameter 220mm	25kHz to 65kHz/ 20cm/ S1-S4	Plate 1 heating 140mm pan at max power.
2			Plate 2 heating 185mm pan at max power.
3			Plate 3 heating 220mm pan at max power. This also covers Plate 4 since same distance/plate size.
4			All plates activated simultaneously at max power. - Plate 1 heating 140mm pan at max power. - Plate 2 heating 185mm pan at max power. - Plate 3 heating 220mm pan at max power. - Plate 4 heating 220mm pan at max power.
5	Smallest 140mm pan size (Rx load) is misaligned with the plate on the largest plate 220mm (Tx coil, biggest exposure area, highest power) at the worst functioning position.		Plate 3 heating 140mm pan at max power.
6	Smallest 140mm pan size (Rx load) is placed at the center of the largest plate 220mm (Tx coil, biggest exposure area, highest power).		Plate 3 heating 140mm pan at max power.

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6.3.2. Model: MPURENA

Config	Description	Freq/ distance/ Location	Test Mode
1	The following pan size (Rx load) is used for testing for each plate (Tx coil) when pan is placed at center of the plate. •160mm Plate 1: Pan inner diameter 140mm •200mm Plate 2: Pan inner diameter 185mm •220mm Plate 3: Pan inner diameter 220mm •220mm Plate 4: Pan inner diameter 220mm	25kHz to 65kHz/ 20cm/ S1-S4	Plate 1 heating 140mm pan at max power.
2			Plate 2 heating 185mm pan at max power.
3			Plate 3 heating 220mm pan at max power. This also covers Plate 4 since same distance/plate size.
4			All plates activated simultaneously at max power. - Plate 1 heating 140mm pan at max power. - Plate 2 heating 185mm pan at max power. - Plate 3 heating 220mm pan at max power. - Plate 4 heating 220mm pan at max power.
5	Smallest 140mm pan size (Rx load) is misaligned with the plate on the largest plate 220mm (Tx coil, biggest exposure area, highest power) at the worst functioning position.		Plate 3 heating 140mm pan at max power.
6	Smallest 140mm pan size (Rx load) is placed at the center of the largest plate 220mm (Tx coil, biggest exposure area, highest power).		Plate 3 heating 140mm pan at max power.

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7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was used for the tests documented in this report:

Test Equipment List					
Description	**Manufacturer**	**Model**	**Label ID**	**Cal Due**	**Cal Date**
Near-field Electric and Magnetic Field Sensor System	SPEAG Schmid & Partner Engineering AG	MAGPy-8H3D+E3d	235867	2025-09-30	2024-09-18
Thermometer - Digital	Control Company	14-650-118	168574	2025-05-31	2024-05-23

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8. MAXIMUM PERMISSIBLE RF EXPOSURE

8.1. FCC LIMITS

According to KDB 680106 D01 Wireless Power Transfer v04 section 3.2 : consistent with FCC's equipment authorization RF exposure guidance, any device (both portable and mobile) operating at frequencies below 100 kHz is considered compliant for the purpose of equipment authorization when the external (unperturbed) temporal peak field strengths do not exceed the following reference levels:
83 V/m for the electric field strength (E); 90 A/m for the magnetic field strength (H).

8.2. E- FIELD AND H- FIELD MEASUREMENTS AND SUMMARY

RESULT

Note: Peak measurements were performed.

Test Engineer:	27957 CC	Test Date:	2025-03-03 TO 2025-03-11

8.2.1. Model: KPURENA

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)			Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)		
			FCC	Location	Peak	Percentage (%)	FCC	Location	Peak	Percentage (%)
1	Heating on with 14cm pan on plate 1 (pan at the center of heating plate)	20	83	S1	40.200	48.43%	90	S1	1.590	1.77%
				S2	15.700	18.92%		S2	2.170	2.41%
				S3	22.300	26.87%		S3	3.510	3.90%
				S4	19.700	23.73%		S4	1.210	1.34%
2	Heating on with 18.5cm pan on plate 2 (pan at the center of heating plate)			S1	20.000	24.10%		S1	2.790	3.10%
				S2	10.400	12.53%		S2	2.220	2.47%
				S3	58.700	70.72%		S3	1.220	1.36%
				S4	35.500	42.77%		S4	0.760	0.84%
3	Heating on with 22cm pan on plate 3 (pan at the center of heating plate). This also covers Plate 4 since same distance/plate size.			S1	24.200	29.16%		S1	3.690	4.10%
				S2	29.700	35.78%		S2	1.950	2.17%
				S3	45.300	54.58%		S3	1.190	1.32%
				S4	16.100	19.40%		S4	2.440	2.71%
4	Heating on with 14cm pan on plate 1 (pan at the center of heating plate)	20	83	S1	40.300	48.55%	90	S1	0.910	1.01%
				S2	41.000	49.40%		S2	1.980	2.20%
				S3	22.400	26.99%		S3	0.450	0.50%
				S4	17.400	20.96%		S4	0.440	0.49%
	Heating on with 18.5cm pan on plate 2 (pan at the center of heating plate)			S1	39.700	47.83%		S1	0.800	0.89%
				S2	37.700	45.42%		S2	2.310	2.57%
				S3	53.200	64.10%		S3	0.580	0.64%
				S4	35.600	42.89%		S4	0.560	0.62%
	Heating on with 22cm pan on plate 3 (pan at the center of heating plate)			S1	80.500	96.99%		S1	3.460	3.84%
				S2	37.700	45.42%		S2	2.310	2.57%
				S3	79.200	95.42%		S3	3.500	3.89%
				S4	35.600	42.89%		S4	0.560	0.62%
	Heating on with 22cm pan on plate 4 (pan at the center of heating plate)			S1	80.500	96.99%		S1	3.460	3.84%
				S2	41.000	49.40%		S2	1.980	2.20%
				S3	79.200	95.42%		S3	3.500	3.89%
				S4	17.400	20.96%		S4	0.440	0.49%
5	Heating on with 14cm pan on plate 3 (pan misaligned with heating plate, position at the worst misaligned but functioning position)	20	83	S1	26.500	31.93%	90	S1	3.560	3.96%
				S2	50.900	61.33%		S2	3.210	3.57%
				S3	67.400	81.20%		S3	5.720	6.36%
				S4	16.100	19.40%		S4	2.400	2.67%
6	Heating on with 14cm pan on plate 3 (pan at the center of heating plate)	20	83	S1	25.400	30.60%	90	S1	3.550	3.94%
				S2	22.900	27.59%		S2	1.550	1.72%
				S3	47.400	57.11%		S3	2.730	3.03%
				S4	15.100	18.19%		S4	2.430	2.70%

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8.2.2. Model: MPURENA

Configuration	Test Mode	Measuring Distance (cm)	Electric Field Limit (V/m)	Electric Field Reading (V/m)			Magnetic Field Limit (A/m)	Magnetic Field Reading (A/m)		
			FCC	Location	Peak	Percentage (%)	FCC	Location	Peak	Percentage (%)
1	Heating on with 14cm pan on plate 1 (pan at the center of heating plate)	20	83	S1	40.300	48.55%	90	S1	1.180	1.31%
				S2	15.200	18.31%		S2	3.510	3.90%
				S3	16.300	19.64%		S3	3.600	4.00%
				S4	26.300	31.69%		S4	1.400	1.56%
2	Heating on with 18.5cm pan on plate 2 (pan at the center of heating plate)			S1	18.900	22.77%		S1	2.630	2.92%
				S2	14.500	17.47%		S2	3.350	3.72%
				S3	51.800	62.41%		S3	0.840	0.93%
				S4	42.700	51.45%		S4	0.530	0.59%
3	Heating on with 22cm pan on plate 3 (pan at the center of heating plate). This also covers Plate 4 since same distance/plate size.			S1	18.700	22.53%		S1	3.700	4.11%
				S2	41.100	49.52%		S2	1.310	1.46%
				S3	52.900	63.73%		S3	1.340	1.49%
				S4	15.700	18.92%		S4	3.390	3.77%
4	Heating on with 14cm pan on plate 1 (pan at the center of heating plate)	20	83	S1	40.300	48.55%	90	S1	1.150	1.28%
				S2	60.100	72.41%		S2	2.380	2.64%
				S3	29.600	35.66%		S3	0.930	1.03%
				S4	25.100	30.24%		S4	1.380	1.53%
	Heating on with 18.5cm pan on plate 2 (pan at the center of heating plate)			S1	40.100	48.31%		S1	0.810	0.90%
				S2	45.300	54.58%		S2	2.500	2.78%
				S3	50.200	60.48%		S3	0.500	0.56%
				S4	39.100	47.11%		S4	0.820	0.91%
	Heating on with 22cm pan on plate 3 (pan at the center of heating plate)			S1	77.300	93.13%		S1	3.680	4.09%
				S2	45.300	54.58%		S2	2.500	2.78%
				S3	65.300	78.67%		S3	3.470	3.86%
				S4	39.100	47.11%		S4	0.820	0.91%
	Heating on with 22cm pan on plate 4 (pan at the center of heating plate)			S1	77.300	93.13%		S1	3.680	4.09%
				S2	60.100	72.41%		S2	2.380	2.64%
				S3	65.300	78.67%		S3	3.470	3.86%
				S4	25.100	30.24%		S4	1.380	1.53%
5	Heating on with 14cm pan on plate 3 (pan misaligned with heating plate, position at the worst misaligned but functioning position)	20	83	S1	19.400	23.37%	90	S1	3.540	3.93%
				S2	28.500	34.34%		S2	3.700	4.11%
				S3	68.200	82.17%		S3	4.650	5.17%
				S4	15.000	18.07%		S4	3.420	3.80%
6	Heating on with 14cm pan on plate 3 (pan at the center of heating plate)	20	83	S1	20.300	24.46%	90	S1	3.580	3.98%
				S2	30.400	36.63%		S2	2.200	2.44%
				S3	45.900	55.30%		S3	2.930	3.26%
				S4	16.000	19.28%		S4	3.410	3.79%

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9. RF EXPOSURE TEST SETUP AND SETUP PHOTO

Please see description of RF exposure test up and setup photo report 15438318-EP1

END OF REPORT

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