Qierling (Beijing) Health Technology Co., Ltd.

TEST REPORT

SCOPE OF WORK
EMC TESTING–SEE PAGE 2

REPORT NUMBER
201225119GZU-005

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EN 55014:2017+A11:2020 (With electronics)-a

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TEST REPORT

Applicant Name & Address	:	Qierling (Beijing) Health Technology Co., Ltd. No 101-42/101-43 （Dongsheng district）, 9th Floor, No 1 Building, No 8th , Heiquan Road, Haidian District, Beijing City, China.
Manufacturing Site	:	Healthlead Corproation Limited Building A, Digital Silicone Valley Industry Park, No. 89, Hengping Road, Henggang Street, Longgang District, Shenzhen, P.R. China
Intertek Report No:	:	201225119GZU-005

Test standards

EN 55014-1:2017+A11:2020
EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019
EN 55014-2:2015

Sample Description

Product	:	Air Purifiering Disinfector
Model No.	:	DS-X400W, DS-P400 DS-S800, DS-X1000W, DS-X1000N-A
Electrical Rating	:	100V-240V, 50Hz, 38W for model DS-X400W, DS-P400 220V-240V, 50Hz, 90W for model DS-S800 220V-240V, 50Hz, 120W for model DS-X1000W, DS-X1000N-A
Serial No.		Not Labeled
Date Received	:	25 December 2020
Date Test Conducted	:	15 January 2021-07 February 2021

Prepared and Checked By

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Approved By:

Helen Ma

Team Leader

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1. TEST RESULTS SUMMARY

Test Item	Standard	Result
Continuous conducted disturbance voltage	EN 55014-1:2017+A11:2020	Pass
Conducted Disturbance at wired network ports	EN 55014-1:2017+A11:2020	N/A
Discontinuous conducted disturbance voltage	EN 55014-1:2017+A11:2020	Pass
Radiated disturbance(9kHz-30MHz)	EN 55014-1:2017+A11:2020	N/A
Radiated disturbance power	EN 55014-1:2017+A11:2020	Pass
Radiated disturbance(30MHz-1000MHz)	EN 55014-1:2017+A11:2020	N/A
Harmonic of current	EN IEC 61000-3-2:2019	Pass
Flicker	EN 61000-3-3:2013+A1:2019	Pass
ESD immunity	EN 55014-2: 2015 Reference: EN 61000-4-2:2009	Pass
Radiated EM field immunity	EN 55014-2:2015 Reference: EN 61000-4-3:2006+A1:2008+A2:2010	N/A
EFT immunity	EN 55014-2:2015 Reference: EN 61000-4-4:2012	Pass
Surge immunity	EN 55014-2:2015 Reference: EN 61000-4-5:2014	Pass
Inject current immunity	EN 55014-2:2015 Reference: EN 61000-4-6:2014	Pass
Voltage dips and interruption immunity	EN 55014-2:2015 Reference: EN 61000-4-11:2004	Pass

Remark:

1. The symbol "N/A" in above table means Not Applicable.

2. When determining the test results, measurement uncertainty of tests has been considered.

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2. EMC RESULTS CONCLUSION

RE: EMC Testing Pursuant to EMC Directive 2014/30/EU Performed on the Air Purifiering Disinfector, Models: DS-X400W, DS-P400, DS-S800, DS-X1000W, DS-X1000N-A.

We tested the Air Purifiering Disinfector, Models: DS-X400W, DS-X1000W. to determine if it was in compliance with the relevant EN standards as marked on the Test Results Summary. We found that the unit met the requirements of EN 55014-1, EN 61000-3-2, EN 61000-3-3, EN 55014-2 (EN 61000-4-2), EN 55014-2 (EN 61000-4-4), EN 55014-2 (EN 61000-4-6), EN 55014-2 (EN 61000-4-5), & EN 55014-2 (EN 61000-4-11) standards when tested as received. The worst case's test data was presented in this test report.

Models difference:

Model	NFC	WIFI module	Motor /ratings	Ratings
DS-X400W	----	With	SIC-58CS-F185-1/ DC310V; 85W, 0,34A;	100V-240V, 50Hz, 38W
DS-P400	----	With	SIC-58CS-F185-1/ DC310V; 85W, 0,34A;	100V-240V, 50Hz, 38W
DS-S800	With	With	ZWF-75L/ DC310V; 75W; 0,34A	220V-240V, 50Hz, 90W
DS-X1000W	With	With	SIC-58CS-F185-1/ DC310V; 85W, 0,34A;	220V-240V, 50Hz, 120W
DS-X1000N-A	With	----	SIC-58CS-F185-1/ DC310V; 85W, 0,34A;	220V-240V, 50Hz, 120W
Remark: DS-X400W and DS-P400 are identical except model names.				

The production units are required to conform to the initial sample as received when the units are placed on the market.

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3. LABORATORY MEASUREMENTS

Configuration Information

Support Equipment:	N/A
Rated Voltage and frequency under test:	220-240 V; 50 Hz
Condition of Environment:	Temperature: 22~28°C Relative Humidity:35~60% Atmosphere Pressure:86~106kPa

Notes:

1. The EMI measurements had been made in the operating mode produced the largest emission in the frequency band being investigated consistent with normal applications. An attempt had been made to maximize the emission by varying the configuration of the EUT.

2. The EMS measurements had been made in the frequency bands being investigated, with the EUT in the most susceptible operating mode consistent with normal applications. The configuration of the test sample had been varied to achieve maximum susceptibility.

3. Test Location:
Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
All tests were performed at:
Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Except Radiated Disturbance and Radiated Susceptibility were performed at:
Room102/104, No 203, KeZhu Road, Science City, GETDD Guangzhou, China

4. Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conducted Emission (9 kHz-150 kHz)	2.79 dB
2	Conducted Emission (150 kHz-30 MHz)	2.55 dB
3	Disturbance Power (30 MHz-300 MHz)	3.04 dB
4	Radiated Emission (30 MHz-1 GHz)	4.80 dB
5	Radiated Emission (1 GHz-6 GHz)	4.97 dB
6	Radiated Emission (6 GHz-18 GHz)	4.89 dB

The measurement uncertainty describes the overall uncertainty of the given measured value during the operation of the EUT.
Measurement uncertainty is calculated in accordance with CISPR16-4-2:2011+A1:2014 +A2:2018.
The measurement uncertainty is given with a confidence of 95%, k=2.
Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

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4. EQUIPMENT USED DURING TEST

Conducted Disturbance-Mains Terminal (2)

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM080-04	EMI receiver	ESCS30	R&S	1Y
EM031-04	EMI receiver	ESR3	R&S	1Y
EM006-06	LISN	ENV216	R&S	1Y
SA047-111	Digital Temperature-Humidity Recorder	RS210	YIJIE	1Y
EM004-03	EMC shield Room	8m×4m×3m	Zhongyu	1Y
EM031-04-01	EMC32 software (CE)	V10.01.00	R&S	N/A

Click (2)

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM008-02	Click Tester	DDA55	AFJ	1Y
EM008-02-01	Switch Box	SW04/32 CL55C	AFJ	1Y
EM006-04	LISN	ESH2-Z5	R&S	1Y
EM032-02	LISN	NSLK8128	SCHWARZBECK	1Y
SA047-111	Digital Temperature-Humidity Recorder	RS210	YIJIE	1Y
EM004-03	EMC shield Room	8m×4m×3m	Zhongyu	1Y

Disturbance Power

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM080-05	EMI receiver	ESCI	R&S	1Y
EM081-04	Absorb Power Clamp	MDS-21	R&S	1Y
SA047-112	Digital Temperature-Humidity Recorder	RS210	YIJIE	1Y
EM004-04	EMC shield Room	8m×3m×3m	Zhongyu	1Y

Harmonic Currents and Flicker (2)

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM001-03	3-Phase Harmonic & Flicker Measuring System	Profline2145-400	TESEQ	1Y
EM001-03-01	AC Power Source	NSG1007	TESEQ	1Y
SA047-140	Digital Temperature-Humidity Recorder	AW5145Y	ASAIR	1Y

Electrostatic Discharge (1)

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM077-04	ESD Simulator	NSG437	TESEQ	1Y

SA047-143	Digital Temperature-Humidity Recorder	AW5145Y	ASAIR	1Y

Electrical Fast Transient/Burst (2)

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM005-10	EFT Generator	NSG3025	TESEQ	1Y
EM005-10-01	Capacitive Coupling Clamp	CDN8014	TESEQ	1Y
SA047-140	Digital Temperature-Humidity Recorder	AW5145Y	ASAIR	1Y

Surge (3)

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM005-09	Surge/DIP Generator	NSG3040	TESEQ	1Y
SA047-140	Digital Temperature-Humidity Recorder	AW5145Y	ASAIR	1Y

Conducted Susceptibility (2)

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM019-01	Conducted Immunity Testing System	NSG4070-75	Teseq GmbH	1Y
EM019-01-01	Current Electromagnetic injection clamp	KEMZ801S	Teseq GmbH	1Y
EM019-01-02	Coupling&Decoupling Network	CDNM016	Teseq GmbH	1Y
EM019-01-03	6dB Attenuator	ATN6075	Teseq GmbH	1Y
EM019-03	Current Clamp	CIP 9136A	Teseq GmbH	1Y
SA047-140	Digital Temperature-Humidity Recorder	AW5145Y	ASAIR	1Y

Voltage Dips and Interruptions (2)

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM005-09	Surge/DIP Generator	NSG3040	TESEQ	1Y
EM005-09-01	Voltage Regulator	INA6501	TESEQ	1Y
SA047-140	Digital Temperature-Humidity Recorder	AW5145Y	ASAIR	1Y

Radiated Susceptibility

Equipment No.	Equipment	Model	Manufacturer	Calibration Interval
EM030-04	3m Semi-Anechoic Chamber	9×6×6 m^3	ETS LINDGREN	1Y
EM031-01	Signal generator	SMB100A	R&S	1Y
EM086-11	Power meter	NRP2	R&S	1Y
EM086-11-01	Power sensor	NRP-Z91	R&S	1Y
EM046-01	Power Amplifier	80RF1000-300	MILMEGA	1Y
EM046-03	Power Amplifier	AS0860-75-45	MILMEGA	1Y
EM061-05	Log. - Per.	VULP 9118 E	SCHWARZBECK	2Y

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	Broadband Antenna			
EM061-07	Stacked Log.-Per. Broadband Antenna	STLP 9149	SCHWARZBECK	2Y
EM034-01	Open Switch and Control Platform	OSP120/1505.3009K12	R&S	1Y
EM045-01-01	EMC32 software (RE/RS)	V10.01.00	R&S	1Y
SA047-118	Digital Temperature-Humidity Recorder	RS210	YIJIE	1Y

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Detail of the equipment calibration due date:

Equipment No.	Cal. Due date (DD-MM-YYYY)
Conducted Disturbance-Mains Terminal (1)	
EM080-05	19/07/2021
EM006-05	07/06/2021
SA047-112	16/11/2021
EM004-04	21/01/2022
Conducted Disturbance-Mains Terminal (2)	
EM031-04	07/01/2022
EM006-06	06/09/2021
SA047-111	16/11/2021
EM004-03	21/01/2022
EM031-04-01	N/A
Conducted Disturbance-Load and Control Terminal (1)	
EM080-05	19/07/2021
EM080-05-01	06/09/2021
SA047-112	16/11/2021
EM004-04	21/01/2022
Conducted Disturbance-Load and Control Terminal (2)	
EM080-05	19/07/2021
EM005-06-01	06/09/2021
SA047-112	16/11/2021
EM004-04	21/01/2022
Conducted Disturbance-Telecom Terminal	
EM080-05	19/07/2021
EM011-05	12/04/2021
EM011-06	12/04/2021
EM006-06	06/09/2021
SA047-112	16/11/2021
EM004-04	21/01/2022
Conducted Disturbance-Antenna Terminal	
EM031-04	07/01/2022
EM084-02	21/07/2021
EM041-01	05/01/2022
EM041-02	05/01/2022
SA047-111	16/11/2021
EM004-03	21/01/2022
Click (1)	
EM008-01	19/07/2021
EM006-06	06/09/2021
SA047-111	16/11/2021
EM004-03	21/01/2022
Click (2)	
EM008-02	15/11/2021
EM008-02-01	15/11/2021
EM032-02	19/07/2021
SA047-111	16/11/2021
EM004-03	21/01/2022
Disturbance Power	
EM080-05	19/07/2021
EM081-04	11/03/2021
SA047-112	16/11/2021
EM004-04	21/01/2022

Equipment No.	Cal. Due date (DD-MM-YYYY)
Radiated Disturbance (CDN Method)	
EM080-05	19/07/2021
EM003-02	15/11/2021
EM003-03	15/11/2021
EM003-01-05	06/09/2021
EM032-02-01	20/07/2021
EM032-02-02	20/07/2021
SA047-112	16/11/2021
EM004-04	21/01/2022
Radiated electromagnetic disturbances (9 kHz-30 MHz)	
EM031-04	07/01/2022
EM061-04	8/03/2021
SA047-111	16/11/2021
EM004-03	21/01/2022
Radiated Disturbance (9 kHz-30 MHz)	
EM030-04	10/04/2021
EM031-02	16/10/2021
EM011-04	18/06/2021
EM031-02-01	12/04/2021
SA047-118	21/07/2021
EM045-01-01	N/A
Radiated Disturbance (30 MHz-1 GHz)	
EM030-04	10/04/2021
EM031-02	16/10/2021
EM033-01	18/09/2021
EM031-02-01	12/04/2021
EM036-01	21/07/2021
SA047-118	21/07/2021
EM045-01-01	N/A
Radiated Disturbance (1-18 GHz)	
EM030-04	10/04/2021
EM031-02	16/10/2021
EM031-03	06/09/2021
EM033-02	18/06/2021
EM033-02-02	12/04/2021
EM022-03	10/05/2021
SA047-118	21/07/2021
EM045-01-01	N/A
Harmonic Currents and Flicker (1)	
EM001-02	15/11/2021
SA047-111	16/11/2021
Harmonic Currents and Flicker (2)	
EM001-03	11/09/2021
EM001-03-01	11/09/2021
SA047-140	05/01/2022
EMF	
EM007-03	25/02/2022
SA047-112	16/11/2021
Induced Current Density (20 kHz-10 MHz)	
EM031-04	07/01/2022
EM007-02	07/01/2022
SA047-111	16/11/2021

Equipment No.	Cal. Due date (DD-MM-YYYY)
Electrostatic Discharge (1)	
EM077-04	15/04/2021
SA047-133	16/03/2021
Electrostatic Discharge (2)	
EM077-02	08/05/2021
SA047-133	16/03/2021
Electrical Fast Transient/Burst (1)	
EM005-12	12/04/2021
EM005-10-01	15/04/2021
SA047-140	05/01/2022
Electrical Fast Transient/Burst (2)	
EM005-10	05/05/2021
EM005-10-01	15/04/2021
SA047-140	05/01/2022
Surge (2)	
EM005-08	19/07/2021
SA047-140	05/01/2022
Surge (3)	
EM005-09	22/06/2021
SA047-140	05/01/2022
Conducted Susceptibility (1)	
EM046-04	10/12/2021
EM084-02	21/07/2021
EM003-01-04	06/09/2021
EM003-01-05	06/09/2021
EM019-01-01	06/09/2021
EM019-03	19/07/2021
SA047-140	05/01/2022
Conducted Susceptibility (2)	
EM019-01	12/04/2021
EM019-01-01	06/09/2021
EM019-01-02	06/09/2021
EM019-01-03	06/09/2021
EM019-03	19/07/2021
SA047-140	05/01/2022
Voltage Dips and Interruptions (2)	
EM005-09	22/06/2021
EM005-09-01	22/06/2021
SA047-140	05/01/2022
Radiated Susceptibility	
EM030-04	10/04/2021
EM031-01	22/07/2021
EM086-11	15/11/2021
EM086-11-01	15/11/2021
EM046-01	19/03/2021
EM046-03	06/09/2021
EM061-05	11/10/2021
EM061-07	11/10/2021
EM034-01	/
EM045-01-01	/
SA047-118	21/07/2021
Power Frequency Magnetic Field	
EM001-03	11/09/2021
EM001-03-02	11/09/2021
SA047-140	05/01/2022
Ring Wave	
EM005-11	12/04/2021
SA047-140	05/01/2022

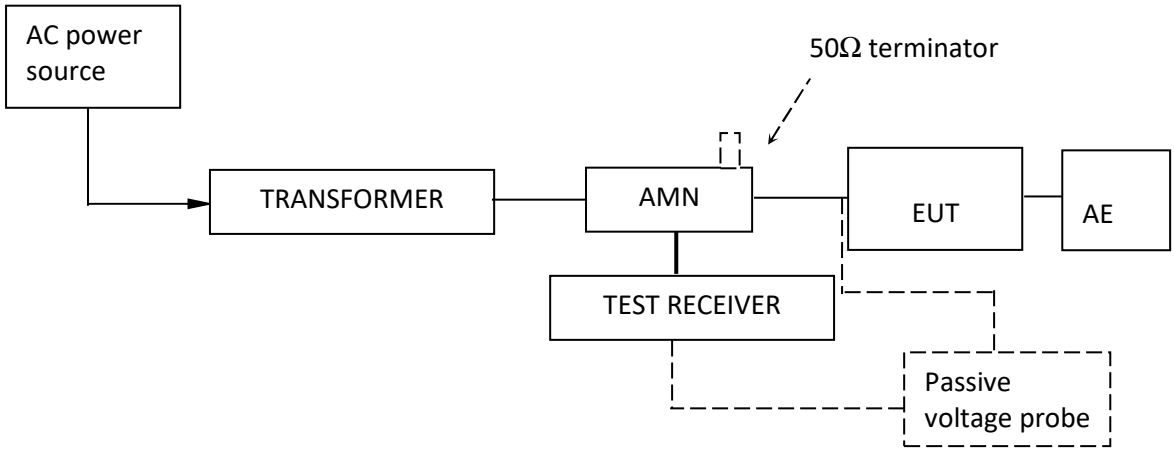
TEST REPORT

5. EMI TEST

5.1 EN 55014-1 Continuous Conducted Disturbance Voltage Test

Test Result: Pass

5.1.1 Block Diagram of Test Setup



5.1.2 Test Setup and Procedure

The EUT was set to achieve the maximum emission level. The mains terminal disturbance voltage was measured with the EUT in a shielded room. The EUT was connected to AC power source through an Artificial Mains Network which provides a 50Ω linear impedance Artificial hand is used if appropriate (for handheld apparatus). The load/control terminal disturbance voltage was measured with passive voltage probe if appropriate.

The table-top EUT was placed on a 0.4m high non-metallic table above earthed ground plane(Ground Reference Plane).And for floor standing EUT, was placed on a 0.1m high non-metallic supported on GRP. The EUT keeps a distance of at least 0.8m from any other of the metallic surface. The Artificial Mains Network is situated at a distance of 0.8m from the EUT.

During the test, mains lead of EUT excess 0.8m was folded back and forth parallel to the lead so as to form a horizontal bundle with a length between 0.3m and 0.4m.

The bandwidth of test receiver was set at 9 kHz. The frequency range from 150 kHz to 30MHz was checked.

When measurements of disturbance are being made, the appliance shall be operated under the conditions defined in Annex A.

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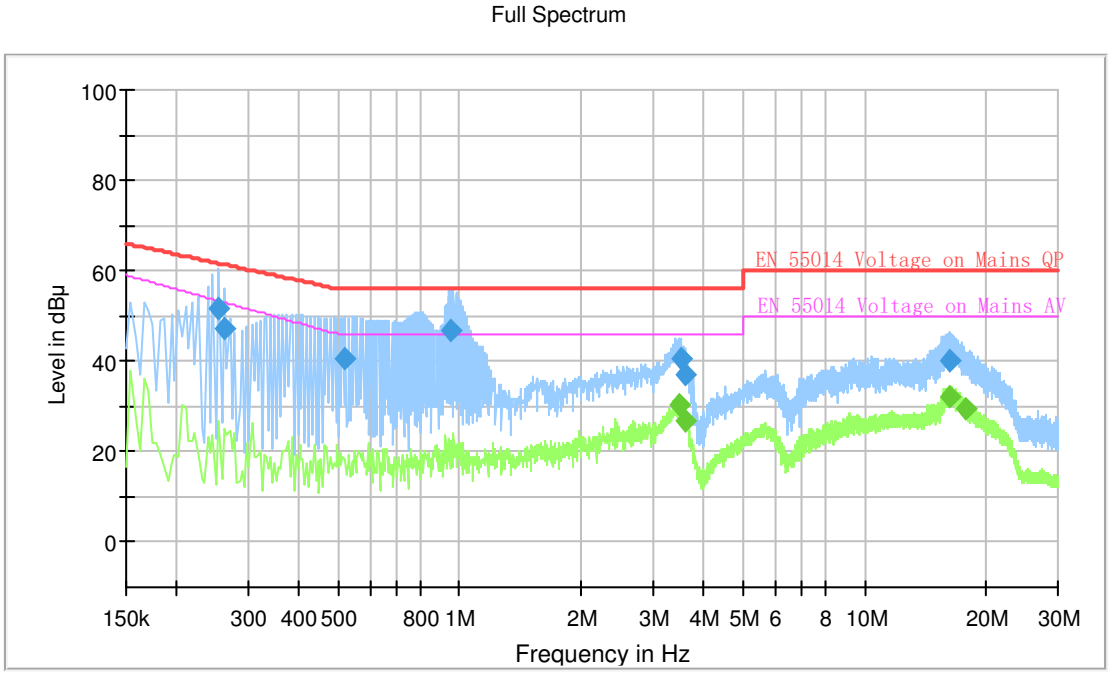
5.1.3 Test Data and curve

At mains terminal:
Tested Wire: Live **Operation Mode: Work at maximum power**
DS-X400W



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.254000	51.81	---	61.63	9.82	1000.0	9.000	L1	ON	9.6
0.262000	47.09	---	61.37	14.28	1000.0	9.000	L1	ON	9.6
0.522000	40.59	---	56.00	15.41	1000.0	9.000	L1	ON	9.6
0.950000	46.93	---	56.00	9.07	1000.0	9.000	L1	ON	9.7
3.494000	---	30.35	46.00	15.65	1000.0	9.000	L1	ON	9.7
3.506000	40.36	---	56.00	15.64	1000.0	9.000	L1	ON	9.7
3.610000	36.98	---	56.00	19.02	1000.0	9.000	L1	ON	9.7
3.614000	---	26.60	46.00	19.40	1000.0	9.000	L1	ON	9.7
16.134000	40.00	---	60.00	20.00	1000.0	9.000	L1	ON	10.3
16.206000	---	32.35	50.00	17.65	1000.0	9.000	L1	ON	10.3
17.746000	---	29.46	50.00	20.54	1000.0	9.000	L1	ON	10.2

Remark:
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBµV) = Corr. (dB) + Read Level (dBµV)
3. Delta Limit (dB) = Level (dBµV)-Limit (dBµV)

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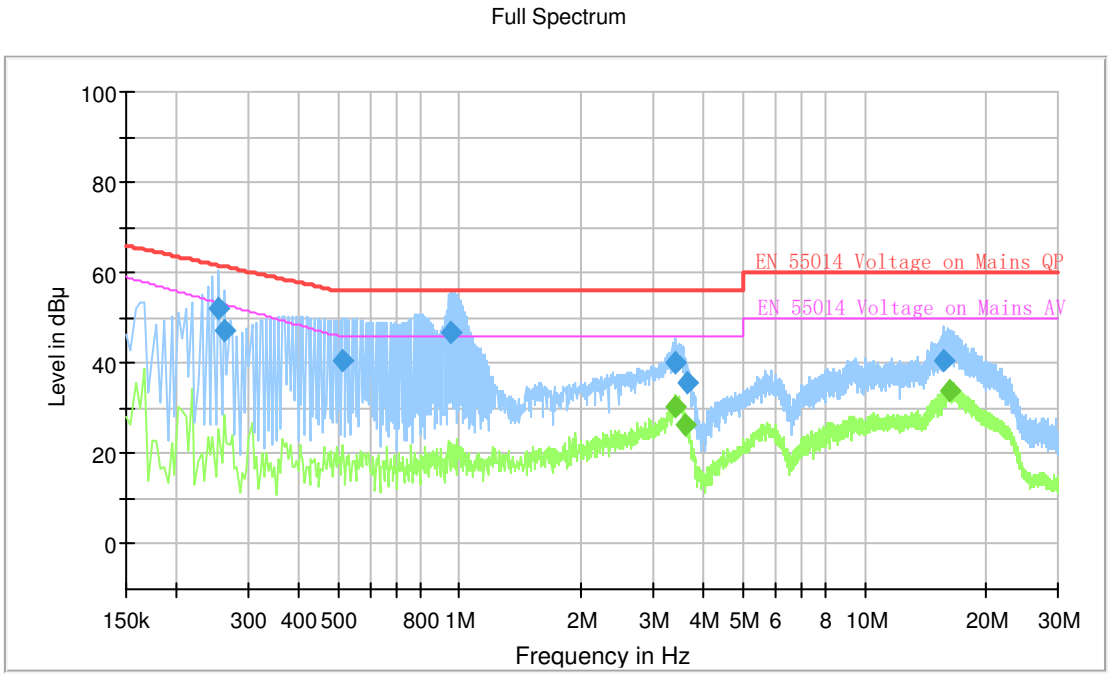
Tested Wire: Neutral **Operation Mode: Work at maximum power**



Final_Result

Frequency (MHz)	QuasiPeak (dB¦ìV)	CAverage (dB¦ìV)	Limit (dB¦ìV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.254000	52.08	---	61.63	9.55	1000.0	9.000	N	ON	9.6
0.262000	47.36	---	61.37	14.01	1000.0	9.000	N	ON	9.6
0.514000	40.56	---	56.00	15.44	1000.0	9.000	N	ON	9.7
0.950000	46.94	---	56.00	9.06	1000.0	9.000	N	ON	9.7
3.414000	40.33	---	56.00	15.67	1000.0	9.000	N	ON	9.7
3.422000	---	30.29	46.00	15.71	1000.0	9.000	N	ON	9.7
3.614000	---	26.48	46.00	19.52	1000.0	9.000	N	ON	9.7
3.634000	35.81	---	56.00	20.19	1000.0	9.000	N	ON	9.7
15.754000	40.36	---	60.00	19.64	1000.0	9.000	N	ON	10.3
16.214000	---	33.84	50.00	16.16	1000.0	9.000	N	ON	10.3

Remark:
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBµV) = Corr. (dB) + Read Level (dBµV)
3. Delta Limit (dB) = Level (dBµV)-Limit (dBµV)

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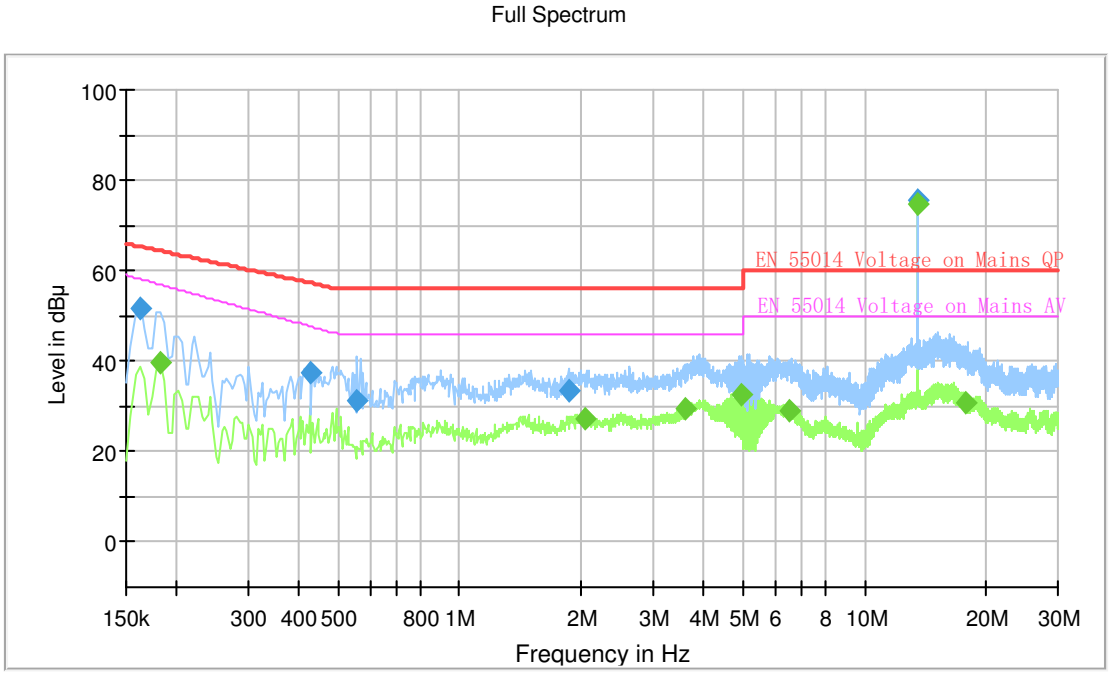
At mains terminal:
Tested Wire: Live **Operation Mode: Work at maximum power**
DS-X1000W



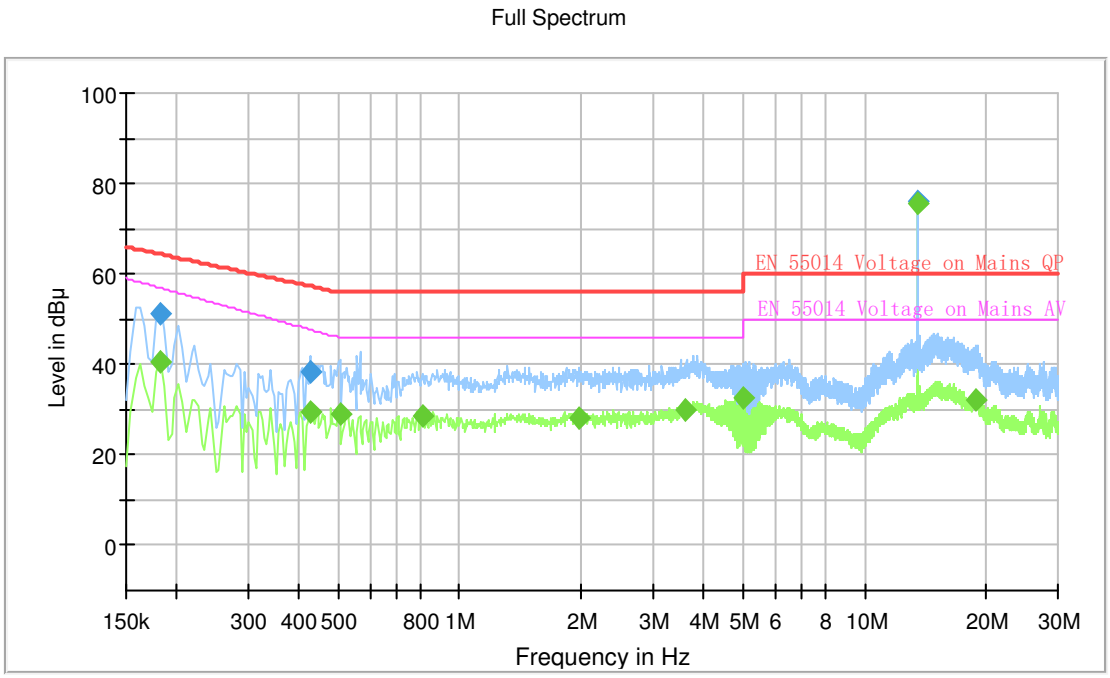
Final_Result

Frequency (MHz)	QuasiPeak (dB¦ìV)	CAverage (dB¦ìV)	Limit (dB¦ìV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.162000	51.43	---	65.36	13.93	1000.0	9.000	L1	ON	9.6
0.182000	---	39.87	56.91	17.04	1000.0	9.000	L1	ON	9.6
0.426000	37.41	---	57.33	19.92	1000.0	9.000	L1	ON	9.6
0.558000	31.33	---	56.00	24.67	1000.0	9.000	L1	ON	9.6
1.854000	33.48	---	56.00	22.52	1000.0	9.000	L1	ON	9.7
2.034000	---	27.38	46.00	18.62	1000.0	9.000	L1	ON	9.7
3.586000	---	29.54	46.00	16.46	1000.0	9.000	L1	ON	9.7
4.978000	---	32.73	46.00	13.27	1000.0	9.000	L1	ON	9.8
6.510000	---	28.81	50.00	21.19	1000.0	9.000	L1	ON	9.9
13.562000	---	74.93	50.00	-24.93	1000.0	9.000	L1	ON	10.2
13.562000	75.65	---	60.00	-15.65	1000.0	9.000	L1	ON	10.2
17.758000	---	31.00	50.00	19.00	1000.0	9.000	L1	ON	10.2

Remark:
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBµV) = Corr. (dB) + Read Level (dBµV)
3. Delta Limit (dB) = Level (dBµV)-Limit (dBµV)

TEST REPORT

Tested Wire: Neutral **Operation Mode: Work at maximum power**



Final_Result

Frequency (MHz)	QuasiPeak (dB¦ìV)	CAverage (dB¦ìV)	Limit (dB¦ìV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.182000	---	40.61	56.91	16.30	1000.0	9.000	N	ON	9.6
0.182000	51.02	---	64.39	13.37	1000.0	9.000	N	ON	9.6
0.426000	---	29.64	47.73	18.09	1000.0	9.000	N	ON	9.6
0.426000	38.47	---	57.33	18.86	1000.0	9.000	N	ON	9.6
0.506000	---	29.19	46.00	16.81	1000.0	9.000	N	ON	9.7
0.806000	---	28.66	46.00	17.34	1000.0	9.000	N	ON	9.7
1.970000	---	28.36	46.00	17.64	1000.0	9.000	N	ON	9.7
3.602000	---	30.11	46.00	15.89	1000.0	9.000	N	ON	9.7
4.994000	---	32.72	46.00	13.28	1000.0	9.000	N	ON	9.8
13.562000	76.08	---	60.00	-16.08	1000.0	9.000	N	ON	10.2
13.562000	---	75.46	50.00	-25.46	1000.0	9.000	N	ON	10.2
18.730000	---	31.95	50.00	18.05	1000.0	9.000	N	ON	10.3

Remark:
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBµV) = Corr. (dB) + Read Level (dBµV)
3. Delta Limit (dB) = Level (dBµV)-Limit (dBµV)

At load/control terminal:

Not Applicable.

TEST REPORT

5.2 EN 55014-1 Conducted Common Mode (Asymmetric Mode) Disturbance at wired network Ports

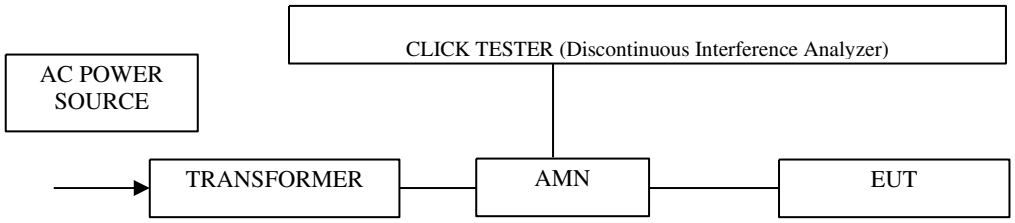
Test Result: Not Applicable

Remark: The test only apply to balanced unscreened ports intended for connection to unscreened balanced pairs

5.3 EN 55014-1 Discontinuous Conducted Disturbance Voltage

Test Result: Pass

5.3.1 Block Diagram of Test Setup



5.3.2 Test Setup and Procedure

The EUT was placed on a 0.8m high non-metallic table in shielded room, the wall of shielded room used as Ground Reference Plane (GRP), and keeps a distance of at least 0.8m from any of the other metallic surface.
The EUT was connected to an artificial mains network and at a distance of 0.8m from it, the excess lead of EUT was bundled with a length of 0.3m to 0.4m parallel to the main lead.
The number of counted clicks above the permitted limit for continuous interference and their duration, spacing and rate were measured during the observation time. When relevant, a permitted(relaxed) limit for clicks was calculated and a second measurement was performed. Determination of compliance with the permitted limit according to the upper quartile method was applied. The frequency 150kHz, 500 kHz, 1.4 MHz and 30 MHz was checked.

When measurements of disturbance are being made, the appliance shall be operated under the conditions defined in Annex A.

TEST REPORT

5.3.3 Test Data and curve

Frequency (MHz)	0.15	0.50	1.40	30.00
Permitted limit for continuous interference (dBµV)	66	56	56	60
Short Clicks [T<10ms]	0	0	0	0
Mid. Clicks [10ms<T<20ms]	0	0	0	0
Long Clicks [T>20ms]	0	0	0	0
Total clicks (number)	0	0	0	0
Switching operation (number)	--			
Factor	--			
Observation time (min.)	120			
Click rate, N	0.00	0.00	0.00	0.00
Value to be added (dB)	--	--	--	--
Counted clicks allowed to exceed the permitted limit (number)	--	--	--	--
Permitted limit for clicks (dBµV)	--	--	--	--
Counted clicks exceeding the limit (number)	--	--	--	--
Complies with the limit (Pass/Fail)	Pass	Pass	Pass	Pass

The appliance was deemed to comply with the limits if fulfilling the three conditions below:
– the click rate is not more than 5.
– none of the caused clicks has a duration longer than 20 ms.
– 90 % of the caused clicks have a duration less than 10 ms.

5.4 EN 55014-1 Radiated Disturbance (9 kHz-30 MHz)- Magnetic field induced current method

Test Result: Not Applicable
Remark: The test only applies to induction cooking appliances.

5.5 Radiated Disturbance (9 kHz-30 MHz)- Magnetic field strength method

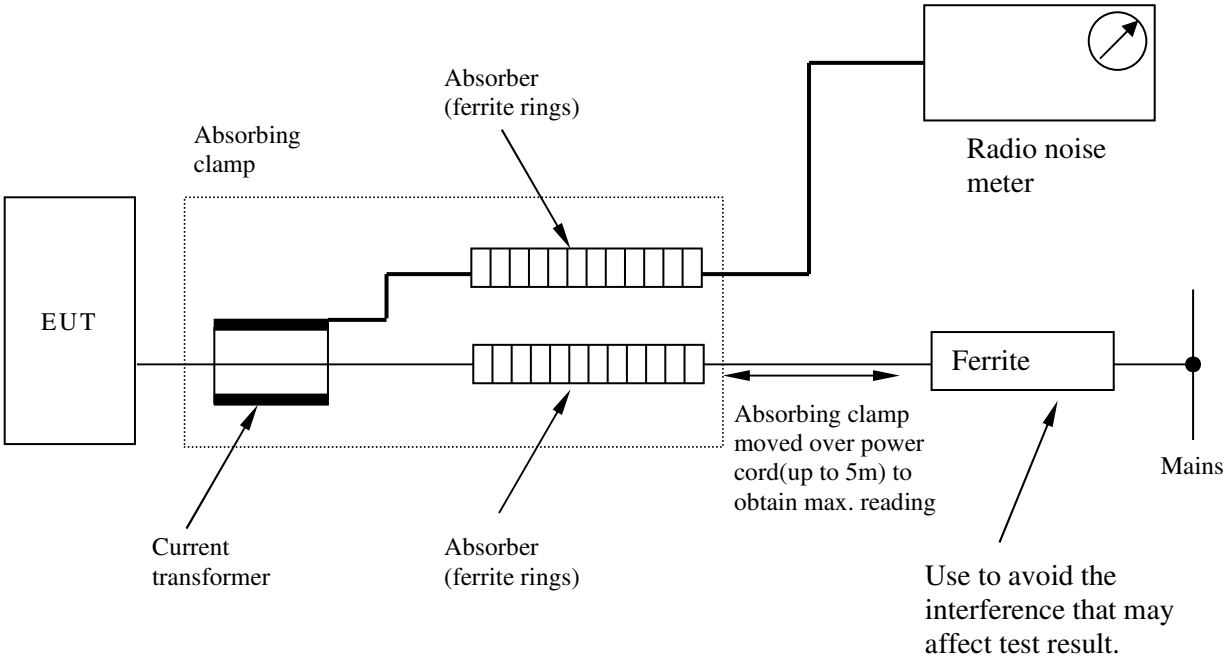
Test Result: Not Applicable
Remark: The test only applies to induction cooking appliances.

TEST REPORT

5.6 EN 55014-1 Radiated Disturbance Power

Test Result: Pass

5.6.1 Block Diagram of Test Setup



Note: ——— : power line

——— : signal lime

5.6.2 Test Setup and Procedure

The disturbance power was measured with the EUT in a shielded room. The height of the table shall be 0,1 m ± 0,025 m for appliances primarily intended to be positioned on the floor in normal use, and 0,8 m ± 0,05 m for other appliances. The EUT was placed on a non-metallic table at least 0.8m from other metallic surface and the mains lead of EUT was extended to about 6m long. The auxiliary lead longer than 0.25m but shorter than twice length of absorbing clamp was extend to twice length of clamp and those longer than twice length was extend to 6 meters.

The absorbing clamp was moved along the lead to obtain maximum disturbance. The EUT was set to achieve the maximum emission level, and for each point which appears a relevant high emission level, the absorbing clamp was moved around the lead to get the maximum disturbance value.

The bandwidth of test receiver was set at 120 kHz. The frequency range from 30MHz to 300MHz was checked.

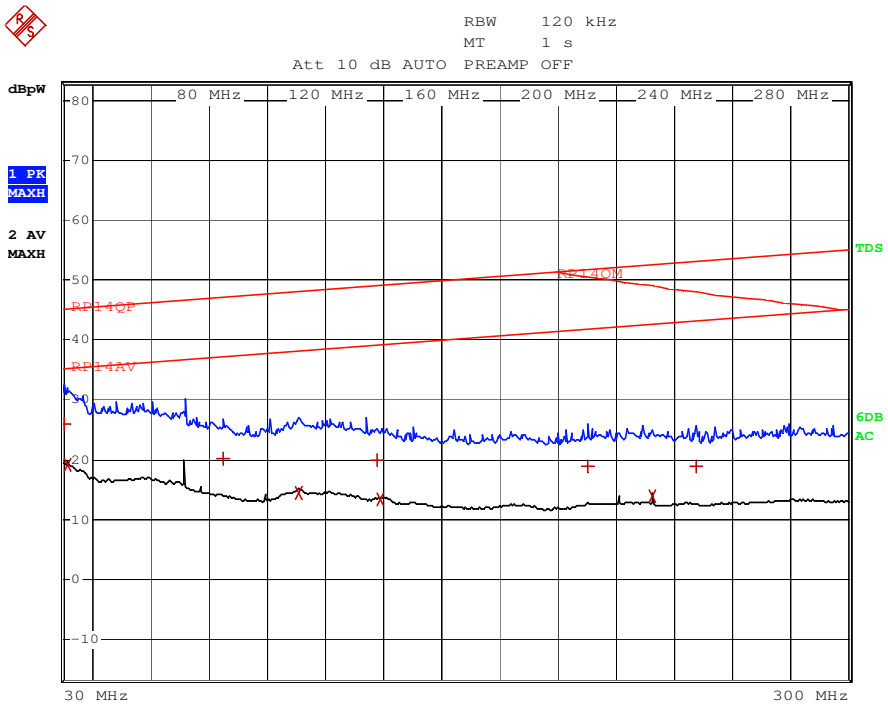
TEST REPORT

When measurements of disturbance are being made, the appliance shall be operated under the conditions defined in Annex A.

5.6.3 Test Data and curve

Test port: Mains **Operation Mode: Work at maximum power**

DS-X400W

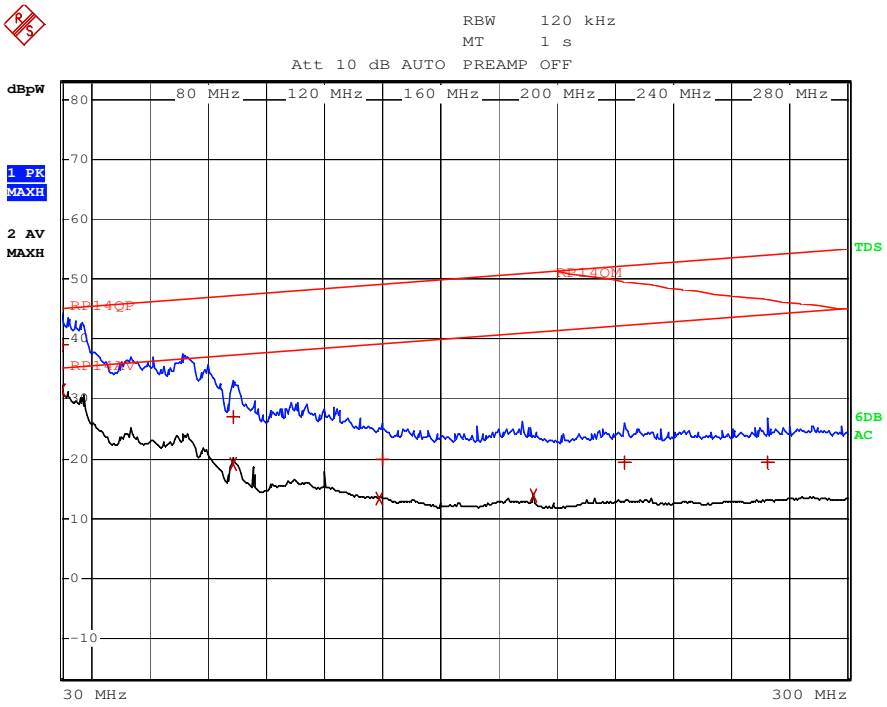


EDIT PEAK LIST (Final Measurement Results)			
Trace1:	RP14QP		
Trace2:	RP14AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBpW	DELTA LIMIT dB
1 Quasi Peak	30.32 MHz	25.87 L1	-19.14
2 Average	31.56 MHz	18.99 L1	-16.05
1 Quasi Peak	85 MHz	20.15 L1	-26.88
2 Average	111.2 MHz	14.38 L1	-23.62
1 Quasi Peak	138.08 MHz	19.83 L1	-29.16
2 Average	139.2 MHz	13.35 L1	-25.69
1 Quasi Peak	210.24 MHz	18.88 L1	-32.78
2 Average	232.32 MHz	13.88 L1	-28.60
1 Quasi Peak	247.4 MHz	18.92 L1	-34.12

TEST REPORT

Test port: Mains **Operation Mode: Work at maximum power**

DS-X1000W



EDIT PEAK LIST (Final Measurement Results)

Trace1:	RP14QP
Trace2:	RP14AV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBpW	DELTA LIMIT dB
1 Quasi Peak	30.04 MHz	38.90 L1	-6.09
2 Average	30.04 MHz	31.52 L1	-3.48
1 Quasi Peak	88.68 MHz	26.84 L1	-20.32
2 Average	89.08 MHz	18.99 L1	-18.19
2 Average	139 MHz	13.23 L1	-25.80
1 Quasi Peak	140.08 MHz	19.81 L1	-29.26
2 Average	192.16 MHz	13.95 L1	-27.04
1 Quasi Peak	223.16 MHz	19.32 L1	-32.83
1 Quasi Peak	272.16 MHz	19.32 L1	-34.64

The measurement quasi-peak data of disturbance power is lower than applicable limit reduced by the margin (0 to 10dB) at frequency range 200 to 300 MHz and the maximum clock frequency is less than 30MHz

TEST REPORT

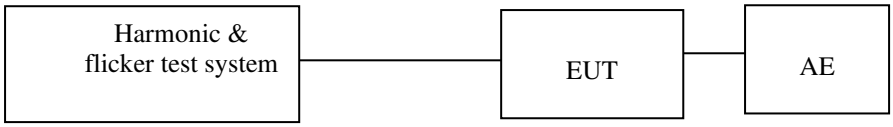
5.7 EN 55014-1 Radiated Disturbance(30MHz-1000MHz)

Test Result: Not Applicable
Remark:
☒ Radiated disturbance shall not be conducted, if the measurement quasi-peak data of disturbance power is lower than applicable limit reduced by the margin (0 to 10dB) at frequency range 200 to 300 MHz and the maximum clock frequency is less than 30MHz,.

6. Harmonics of current

Test Result: Pass

6.1 Block Diagram of Test Setup



6.2 Test Setup and Procedure

Harmonics of the fundamental current were measured up to 40 order harmonics using a digital power meter with an analogue output and frequency analyser which was integrated in the harmonic & flicker test system. The measurements were carried out under steady conditions.

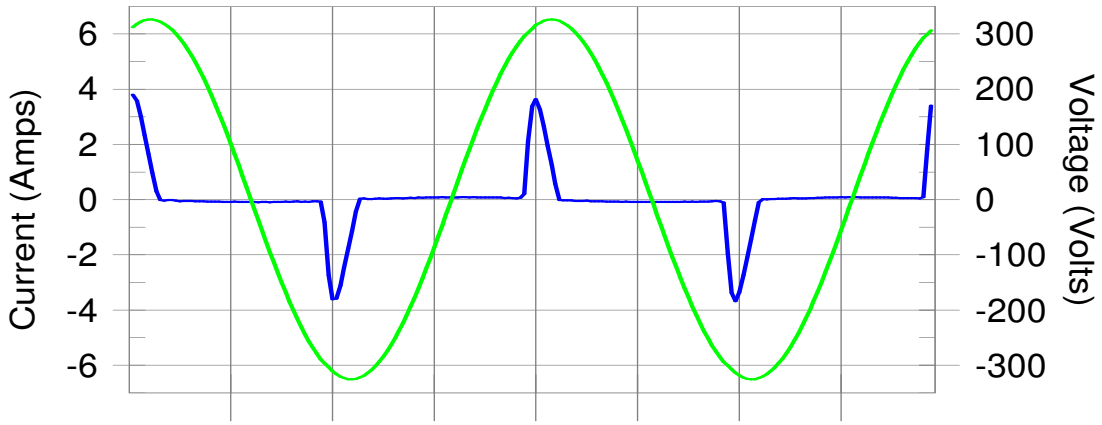
TEST REPORT

6.3 Test Data

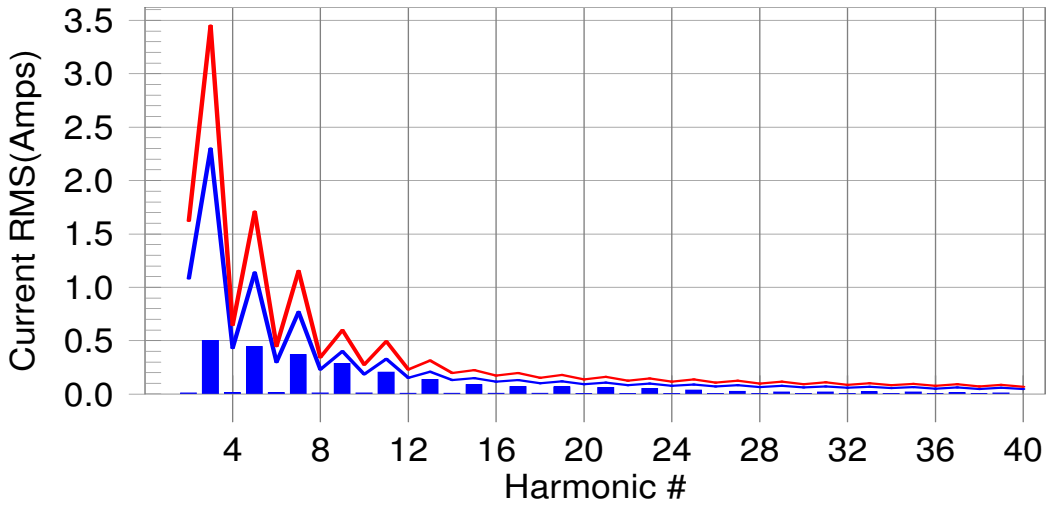
Harmonics – Class-A per Ed. 4.0 (incl. inter-harmonics)

Test Result: Pass **Source qualification: Normal**

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



Test result: Pass Worst harmonics H9-48.1% of 150% limit, H9-72% of 100% limit.

TEST REPORT

Current Test Result Summary (Run time)

EUT: Air Purifiering Disinfector **Tested by: Elena**
Test category: Class-A per Ed. 5.0 (2018) (European limits) **Test Margin: 100**
Test date: 2021/2/23 **Start time: 9:48:50** **End time: 9:51:33**
Test duration (min): 2.5 **Data file name: WIN2105_H-000617.cts_data**
Comment: Work at maximum power

Test Result: Pass **Source qualification: Normal**
THC(A): 0.873 **I-THD(%): 158.3** **POHC(A): 0.104** **POHC Limit(A): 0.251**

Highest parameter values during test:

V_RMS (Volts):	**229.943**	**Frequency(Hz):**	**50.00**
I_Peak (Amps):	**3.858**	**I_RMS (Amps):**	**1.037**
I_Fund (Amps):	**0.551**	**Crest Factor:**	**3.734**
Power (Watts):	**121.2**	**Power Factor:**	**0.511**

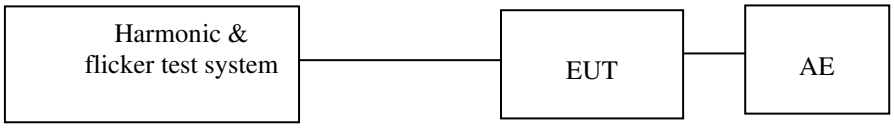
Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.009	1.080	0.9	0.010	1.620	0.6	Pass
3	0.501	2.300	21.8	0.503	3.450	14.6	Pass
4	0.012	0.430	2.9	0.013	0.645	2.0	Pass
5	0.445	1.140	39.1	0.447	1.710	26.1	Pass
6	0.012	0.300	3.8	0.012	0.450	2.7	Pass
7	0.371	0.770	48.2	0.372	1.155	32.2	Pass
8	0.011	0.230	4.7	0.011	0.345	3.3	Pass
9	0.288	0.400	72.0	0.289	0.600	48.1	Pass
10	0.010	0.184	5.4	0.011	0.276	3.8	Pass
11	0.206	0.330	62.6	0.207	0.495	41.8	Pass
12	0.009	0.153	6.1	0.010	0.230	4.3	Pass
13	0.137	0.210	65.2	0.137	0.315	43.6	Pass
14	0.009	0.131	6.5	0.009	0.197	4.6	Pass
15	0.090	0.150	59.8	0.090	0.225	40.1	Pass
16	0.008	0.115	6.8	0.008	0.173	4.8	Pass
17	0.070	0.132	53.3	0.071	0.198	35.8	Pass
18	0.007	0.102	6.9	0.007	0.153	4.8	Pass
19	0.067	0.118	56.5	0.067	0.178	37.9	Pass
20	0.006	0.092	6.7	0.007	0.138	4.8	Pass
21	0.063	0.107	58.5	0.063	0.161	39.2	Pass
22	0.005	0.084	6.5	0.006	0.125	4.6	Pass
23	0.052	0.098	53.5	0.053	0.147	35.8	Pass
24	0.005	0.077	N/A	0.005	0.115	N/A	Pass
25	0.038	0.090	42.4	0.039	0.135	28.6	Pass
26	0.004	0.071	N/A	0.005	0.107	N/A	Pass
27	0.026	0.083	30.7	0.026	0.125	20.6	Pass
28	0.004	0.066	N/A	0.004	0.099	N/A	Pass
29	0.020	0.078	26.3	0.021	0.116	17.8	Pass
30	0.004	0.061	N/A	0.004	0.092	N/A	Pass
31	0.022	0.073	29.6	0.022	0.109	20.0	Pass
32	0.003	0.058	N/A	0.004	0.086	N/A	Pass
33	0.022	0.068	32.4	0.022	0.102	21.8	Pass
34	0.003	0.054	N/A	0.003	0.081	N/A	Pass
35	0.019	0.064	30.3	0.020	0.096	20.3	Pass
36	0.003	0.051	N/A	0.003	0.077	N/A	Pass
37	0.014	0.061	23.7	0.015	0.091	16.1	Pass
38	0.003	0.048	N/A	0.003	0.073	N/A	Pass
39	0.010	0.058	16.7	0.010	0.087	11.5	Pass
40	0.002	0.046	N/A	0.002	0.069	N/A	Pass

TEST REPORT

7. Flicker

Test Result: Pass

7.1 Block Diagram of Test Setup



7.2 Test Setup and Procedure

7.2.1 Definition

Flicker:	impression of unsteadiness of visual sensation induced by a lighting stimulus whose luminance or spectral distribution fluctuates with time.
Pst:	Short-term flicker indicator The flicker severity evaluated over a short period (in minutes); Pst=1 is the conventional threshold of irritability
Plt:	long-term flicker indicator; the flicker severity evaluated over a long period (a few hous). Using successive Pst valuse.
dc:	the relative steady-state voltage change
dmax:	the maximum relative voltage change
d(t):	the value during a voltage change

7.2.2 Test condition

The EUT was set to produce the most unfavourable sequence of voltage changes.

TEST REPORT

Test Data

Flicker Test Summary (Run time)

Model No.: DS-X1000W
Operation mode: Work at maximum power

Test Result: Pass Status: Test Completed

Parameter values recorded during the test:

Vrms at the end of test (Volt):	**229.83**			
T-max (mS):	**0.0**	**Test limit (mS):**	**500.0**	**Pass**
Highest dc (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Highest dmax (%):	**-0.09**	**Test limit (%):**	**4.00**	**Pass**
Highest Pst (10 min. period):	**0.064**	**Test limit:**	**1.000**	**Pass**

TEST REPORT

8. EMS TEST

Performance Criteria:

Criterion A: The apparatus shall continue to operate as intended during the test. No degradation of performance or loss of function is allowed below a performance level (or permission loss of performance) specified by the manufacturer, when the apparatus is used as intended. 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 from what the user may reasonably expect from the apparatus if used as intended.

Criterion B: The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level (or permission loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however, no change of actual operating state or stored data is allowed. 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 from what the user may reasonably expect from the apparatus if used as intended.

Criterion C: Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls, or by any operation specified in the instruction for use.

Operation mode of EMS test:

Test Item	Operation mode
ESD immunity	Fan speed high
Radiated EM field immunity	Fan speed high
EFT immunity	Fan speed high
Surge immunity	Fan speed high
Inject current immunity	Fan speed high
Voltage dips and interruption immunity	Fan speed high

Note: "N/A" means Not Applicable in below text.

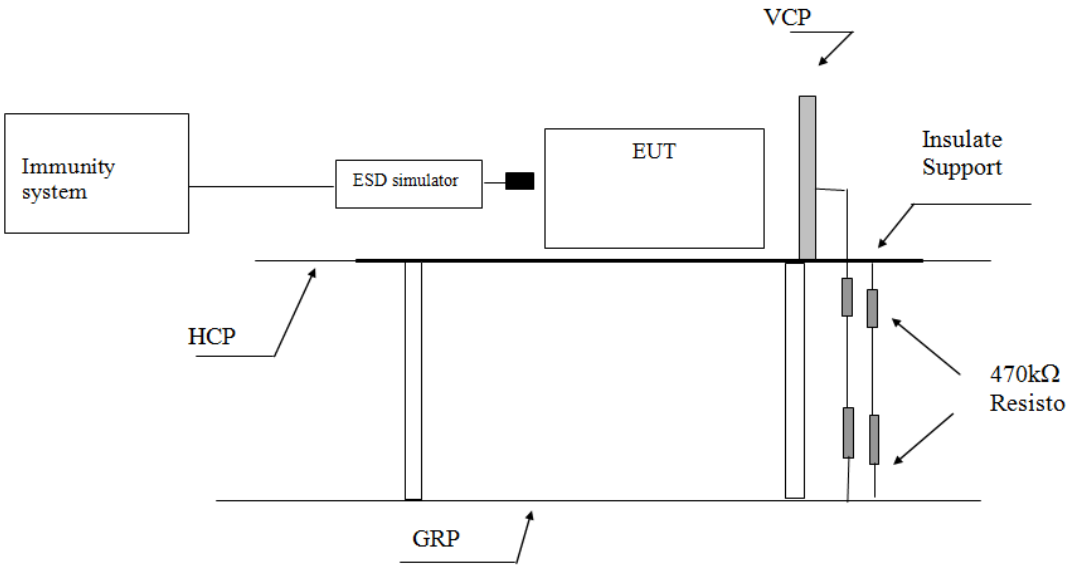
TEST REPORT

8.1 EN 61000-4-2(Pursuant to EN 55014-2) Electrostatic Discharge Immunity

Performance criterion: B

Test Result: Pass

8.1.1 Block Diagram of Test Setup



Note: HCP means Horizontal Coupling Plane,

VCP means Vertical Coupling Plane

GRP means Ground Reference Plane

8.1.2 Test Setup and Procedure

The EUT was put on a 0.8m high wooden table 0.1m high for floor standing equipment standing on the ground reference plane (GRP) 3m by 2m in size, made by iron 1.0 mm thick.

A horizontal coupling plane(HCP) 1.6m by 0.8m in size was placed on the table, and the EUT with its cables were isolated from the HCP by an insulating support thick than 0.5mm. The VCP 0.5m by 0.5m in size & HCP were constructed from the same material type & thickness as that of the GRP, and connected to the GRP via a 470kΩ resistor at each end.

The distance between EUT and any of the other metallic surface excepted the GRP, HCP & VCP was greater than 1m.

The EUT was arranged and connected according to its functional requirements.

Direct static electricity discharges were applied only to those points and surface which were accessible to personnel during normal usage.

TEST REPORT

On each preselected points 10 times of each polarity single discharge were applied. The time interval between successive single discharges was at least 1s.

The ESD generator was held perpendicular to the surface to which the discharge was applied. The discharge return cable of the generator was kept at a distance of 0.2m whilst the discharge was being applied. During the contact discharges, the tip of the discharge electrode was touched the EUT before the discharge switch was operated. During the air discharges, the round discharge tip of the discharge electrode was approached as fast as possible to touch the EUT.

Indirect discharge was conducted to objects placed near the EUT, simulated by applying the discharges of the ESD generator to a coupling plane, in the contact discharge mode.

After each discharge, the ESD generator was removed from the EUT, the generator was then retriggered for a new single discharge. For ungrounded product, a grounded carbon fibre brush with bleeder resistors (2×470 kΩ) in the grounding cable was used after each discharge to remove remnant electrostatic voltage.

For air discharge, a minimum of 10 single air discharges were applied to the selected test point for each such area.

TEST REPORT

8.1.3 Test Result

Direct Application of ESD

Direct Contact Discharge

Applied Voltage (kV)	No. of Discharge for each point	Result (Pursuant to EN 55014-2)	Discharged Points
4	20	N/A	Accessible metal parts of the EUT Conductive substrate with coating which is not declared to be insulating

Direct Air Discharge

Applied Voltage (kV)	No. of Discharge for each point	Result (Pursuant to EN 55014-2)	Discharged Points
8	20	Pass	All accessible points where contact discharge cannot be applied such as Displays, Indicators light, Keyboard, Button, Switch, Knob, Air gap, Slots, Hole and so on

Indirect Application of ESD

Horizontal Coupling Plane under the EUT

Applied Voltage (kV)	No. of Discharge for each point	Result (pursuant to EN 55014-2)	Discharged Point
4	20	N/A	At the front edge of each HCP opposite the centre point of each unit of the EUT

Vertical Coupling Plane beside the EUT

Applied Voltage (kV)	No. of Discharge for each point	Result (pursuant to EN 55014-2 criterion B)	Discharged Point
4	20	Pass	The centre of the vertical edge of the coupling plane

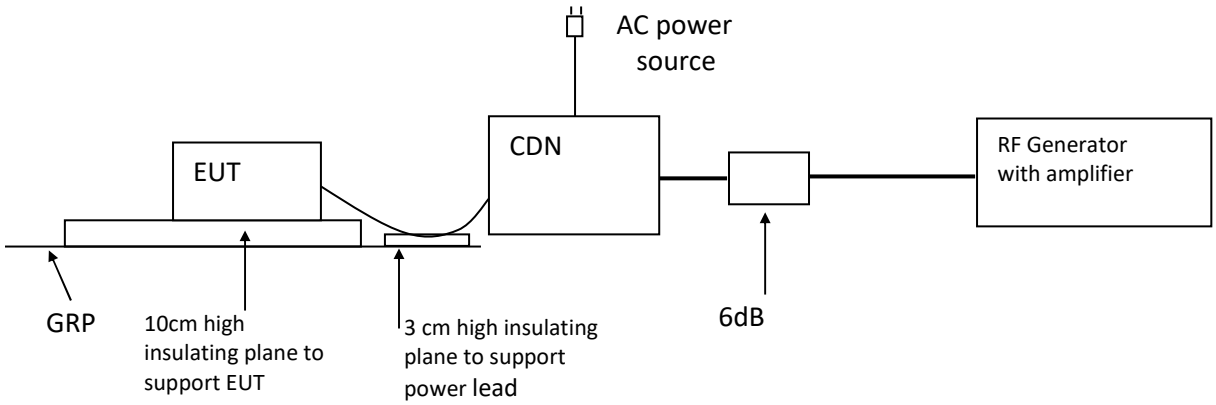
TEST REPORT

8.2 EN 61000-4-6(Pursuant to EN 55014-2) Injected Current (0.15 MHz to 230 MHz)

Performance criterion: A

Test Result: Pass

8.2.1 Block Diagram of Test Setup



8.2.2 Test Setup and Procedure

The EUT was placed on an insulating support of 0.1m height above a ground reference Plane, arranged and connected to satisfy its functional requirement.

All relevant cables were provided with the appropriate coupling and decoupling devices at a distance between 0.1m and 0.3m from the projected geometry of the EUT on an insulating support of 0.03m height above the ground reference plane.

Test voltage was verified before each testing though power meter combined in the RF generator with AMP.

Dwell time was set to 3s and step was set as 1% to keep sufficient response time for EUT. The frequency from 0.15MHz to 230MHz was checked.

8.2.3 Test Result

Port:	Frequency (MHz)	Level (Pursuant to EN55014-2)	Result
A.C. Power Lines	0.15 to 230	3V (r.m.s.)	Pass
D.C. Power Lines	0.15 to 230	1V (r.m.s.)	N/A
Signal Lines	0.15 to 230	1V (r.m.s.)	N/A
Control Lines	0.15 to 230	1V (r.m.s.)	N/A

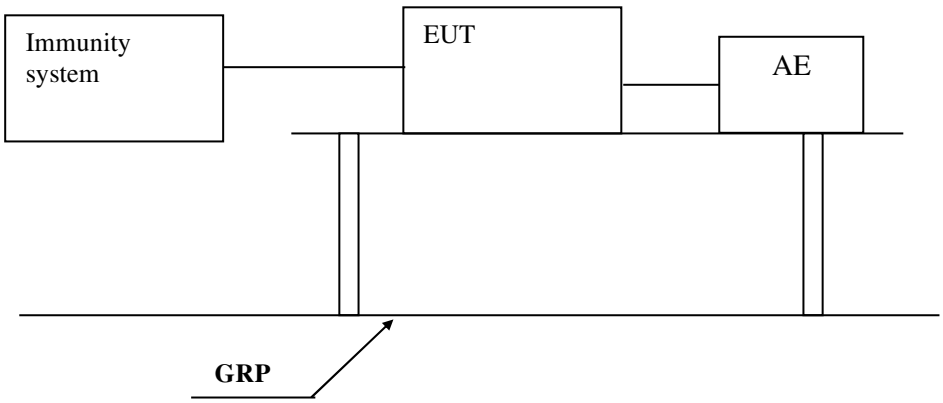
TEST REPORT

8.3 EN 61000-4-4(Pursuant to EN 55014-2) Electrical Fast Transient/Burst

Performance criterion: B

Test Result: Pass

8.3.1 Block Diagram of Test Setup



8.3.2 Test Setup and Procedure

The EUT was placed on a 0.1m high wooden table, standing on the ground reference plane 3m by 2m in size, made by steel 1mm thick.

The distance between the EUT and any other of the metallic surface except the GRP was greater than 0.5m.

The mains lead excess than 0.5m was folded to avoid a flat coil and situated at a distance of 0.1m above the ground reference plane to insure the distance between the coupling device and the EUT was 0.5m.

The EUT was arranged and connected to satisfy its functional requirement and supplied by the coupling-decoupling network.

8.3.3 Test Result

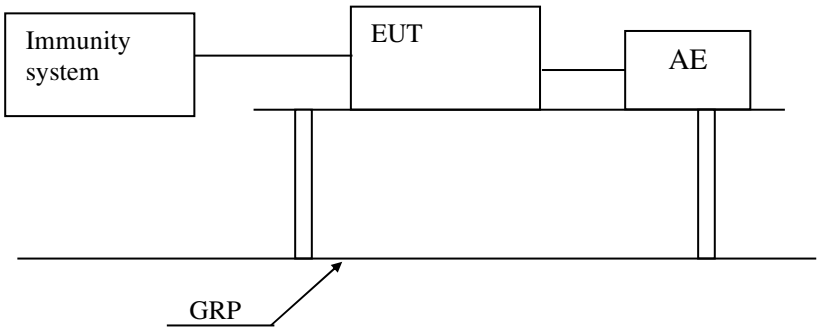
Level (Pursuant to EN55014-2)	Polarity	A.C. Power supply line and protective earth terminal	D.C. Power Lines, Signal Line & Control Line
0.5kV	+	N/A	N/A
0.5kV	-	N/A	N/A
1kV	+	Pass	N/A
1kV	-	Pass	N/A

TEST REPORT

8.4 EN 61000-4-5(Pursuant to EN 55014-2) Surge Immunity

Performance criterion: B
Test Result: Pass

8.4.1 Block Diagram of Test Setup



8.4.2 Test Setup and Procedure

The surge was applied to the EUT power supply terminals via the capacitive coupling network.

Decoupling networks were required in order to avoid possible adverse effects on equipment not under test that might be powered by the same lines and to provide sufficient decoupling impedance to the surge wave so that the specified wave might be developed on the lines under test.

The EUT was arranged and connected according to its functional requirements.

The EUT was placed on a 0.1m high wooden support above the GRP), supplied by the coupling-decoupling network, and arranged and connected to satisfy its functional requirement. The power cord between the EUT and the coupling/decoupling network was less than 2 meters.

8.4.3 Test Result

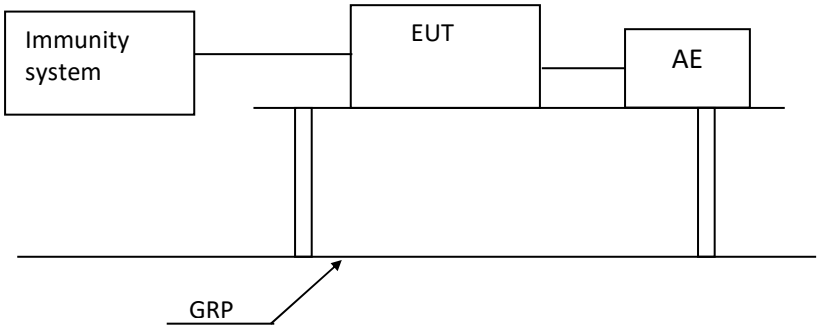
Level (Pursuant to EN 55014-2)	Result
Between Phase And Phase: 1kV	N/A
Between Phase And Neutral: 1kV	Pass
Between Phase And Earth: 2kV	N/A
Between Neutral And Earth: 2kV	N/A

TEST REPORT

8.5 EN 61000-4-11(Pursuant to EN 55014-2) Voltage Dips and Interruptions

Performance criterion: C
Test Result: Pass

8.5.1 Block Diagram of Test Setup



8.5.2 Test Setup and Procedure

The EUT was placed on an insulating support of 0.8m height, standing on a ground reference plane, and arranged and connected to satisfy its functional requirement

The test was performed with the EUT connected to the test generator with the shortest power supply cable as specified by the EUT manufacturer.

The EUT was tested for each selected combination of test level and duration with a sequence of three dips/interruptions with intervals of 10 s minimum. Each representative mode of operation was tested.

Abrupt changes in supply voltage was occur at zero crossings of the voltage.

8.5.3 Test Result

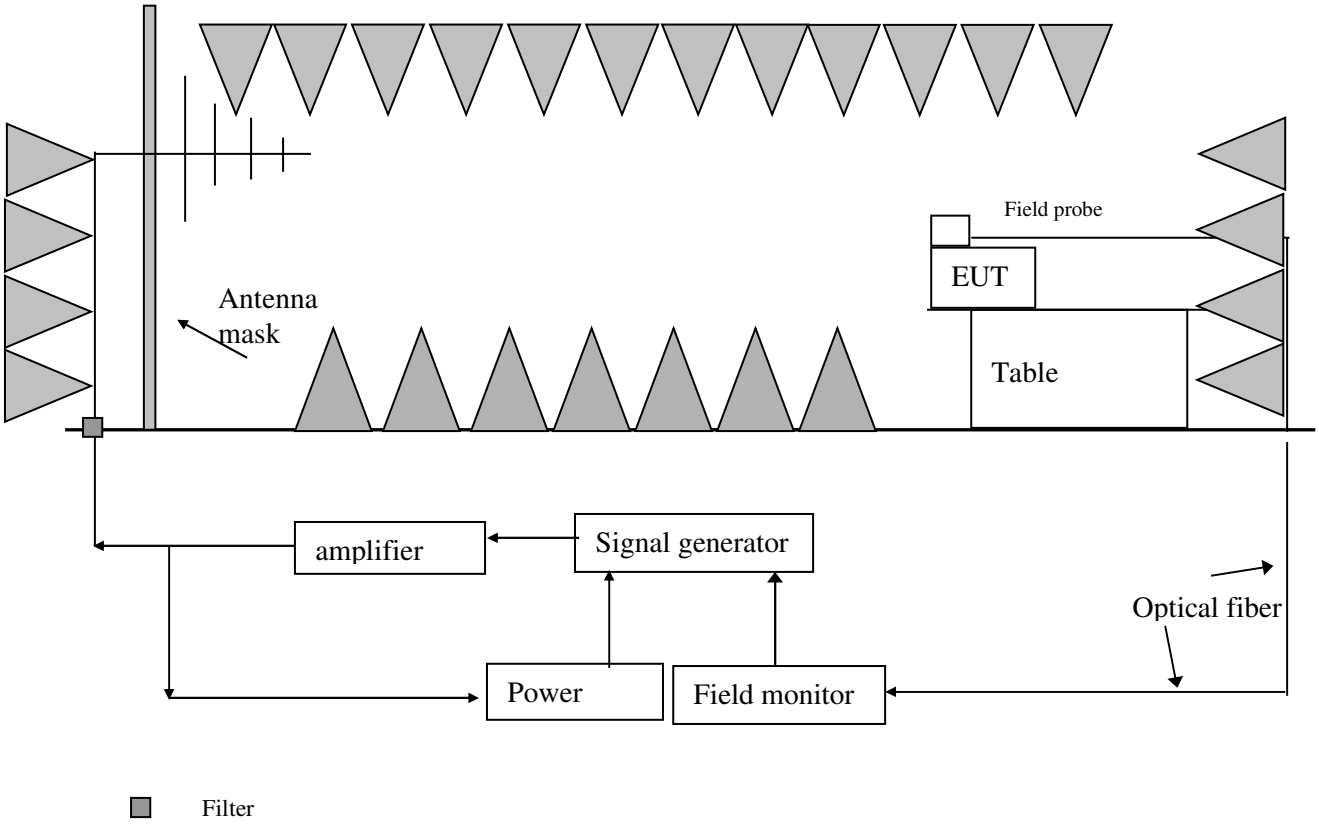
Test condition (Pursuant to EN 55014-2)				
Test Level in %U_T	50 Hz		60 Hz	
	Duration	Result	Duration	Result
0	0.5	Pass	0.5	N/A
40	10	Pass	12	N/A
70	25	Pass	30	N/A

Remark: UT is the rated voltage for the equipment.

8.6 EN 61000-4-3(Pursuant to EN 55014-2) Radiated Electromagnetic Field Immunity

Performance criterion: A
Test Result: **Not Applicable**
Remark:
Containing electronic control circuitry with no internal clock frequency or oscillator frequency higher than 15 MHz.

8.6.1 Block Diagram of Test Setup



8.6.2 Test Setup and Procedure

The test was conducted in a fully anechoic chamber to maintain a uniform field of sufficient dimensions with respect to the EUT, and also in order to comply with various national and international laws prohibiting interference to radio communications.

The equipment was placed in the test facility on a non-conducting table 0.8m high (for floor standing EUT, is placed on a non-conducting support 0.1m height).

For all ports connected to EUT, manufacturer specified cable type and length was used, for those cables no specification, unshielded cable applied. Wire is left exposed to the electromagnetic field for a distance of 1m from the EUT. The EUT was arranged and connected according to its functional requirements

Before testing, the intensity of the established field strength had been checked by placing the field sensor at a calibration grid point, and with the field generating antenna and cables in the same positions as used for the calibration, the forward power needed to give the calibrated field strength was measured. Spot checks was made at a number of calibration grid points over the frequency range 80MHz to 1000MHz, both polarizations was checked.

After calibration, the EUT was initially placed with one face coincident with the calibration plane.

The frequency range is swept from 80 MHz to 1000 MHz at 3V/m EM field, with the signal 80% amplitude modulated with a 1 kHz sine-wave, pausing to adjust the r.f. signal level.

The dwell time at each frequency was 3s so as that the EUT to be exercised and be able to respond.

The step size was 1% of the fundamental with linear interpolation between calibrated points. Test was performed with the generating antenna facing each of the four sides of the EUT.

8.6.3 Test Result

Frequency (MHz)	Exposed Side	Field Strength (V/m)	Result
80 to 1000	Front	3V/m (r.m.s.)	Pass
80 to 1000	Left	3V/m (r.m.s.)	Pass
80 to 1000	Rear	3V/m (r.m.s.)	Pass
80 to 1000	Right	3V/m (r.m.s.)	Pass

TEST REPORT

9. APPENDIX I - PHOTOS OF TEST SETUP

Conducted Emission

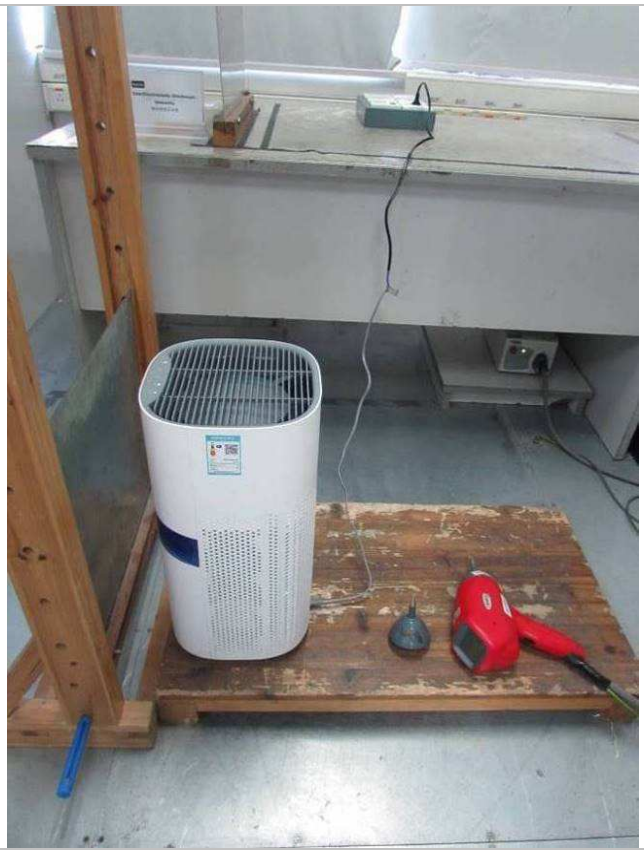
Radiated Power


TEST REPORT

Clicks

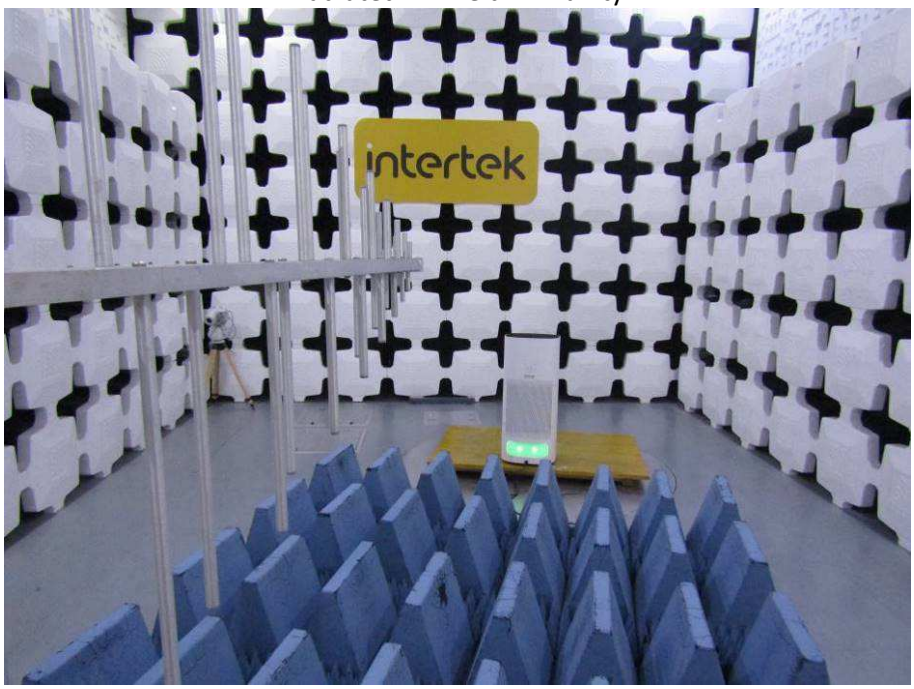
Harmonics and Flicker


TEST REPORT

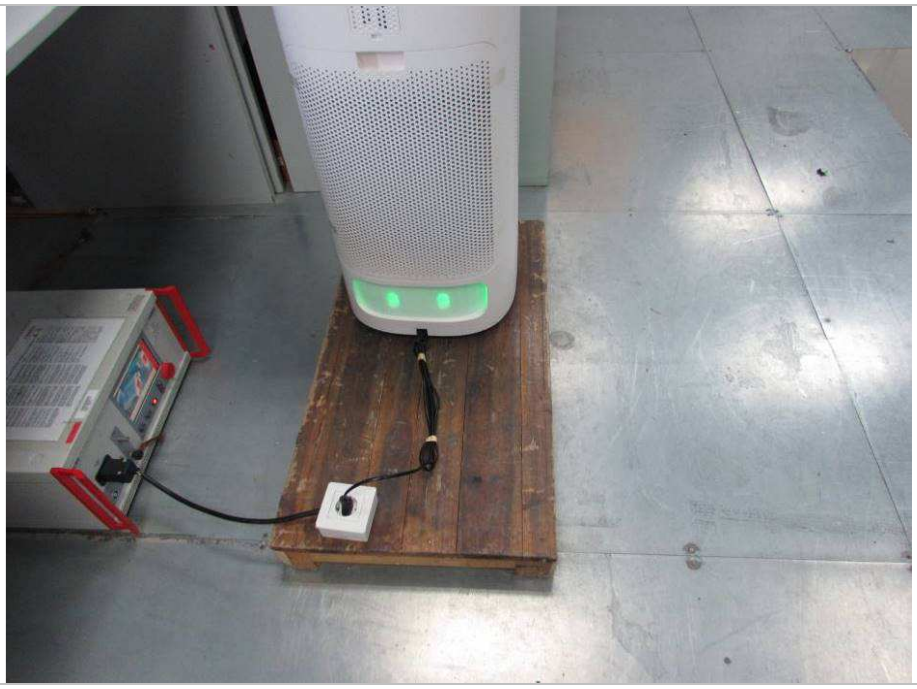
ESD Immunity

Inject current immunity


TEST REPORT

Radiated EM field immunity



Surge and DIP Immunity



TEST REPORT

EFT Immunity

TEST REPORT

10. APPENDIX II – PHOTOS OF EUT

For model DS-X400W

Front view

Right side view

TEST REPORT

Left side view

Back view

TEST REPORT

Air outlet; control panel

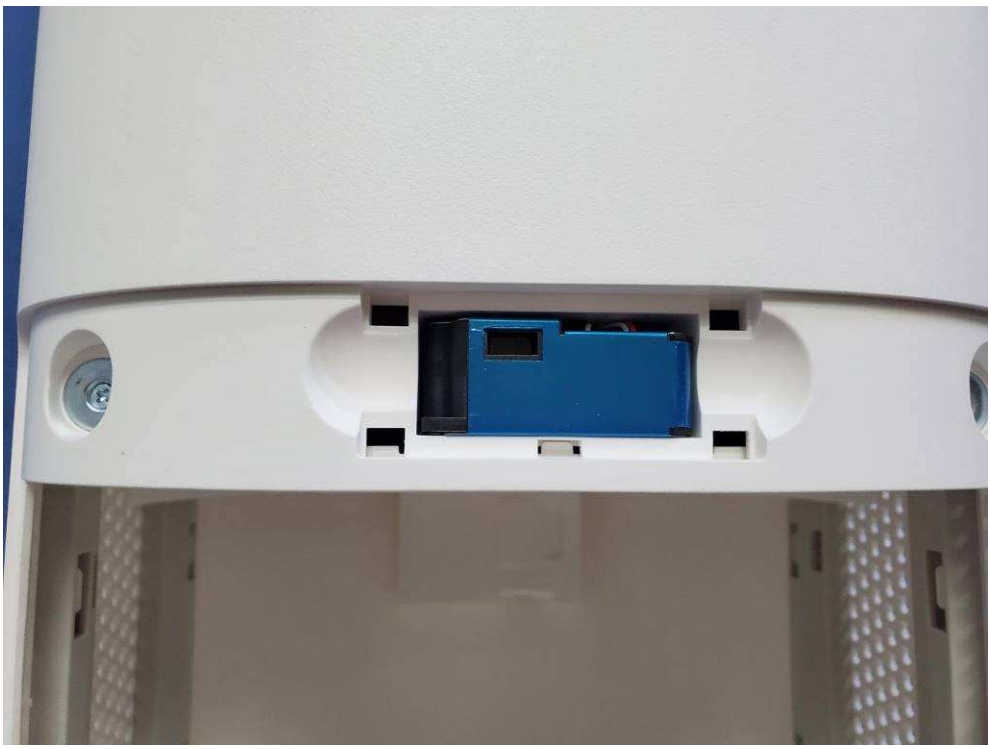
Remove the filter

TEST REPORT

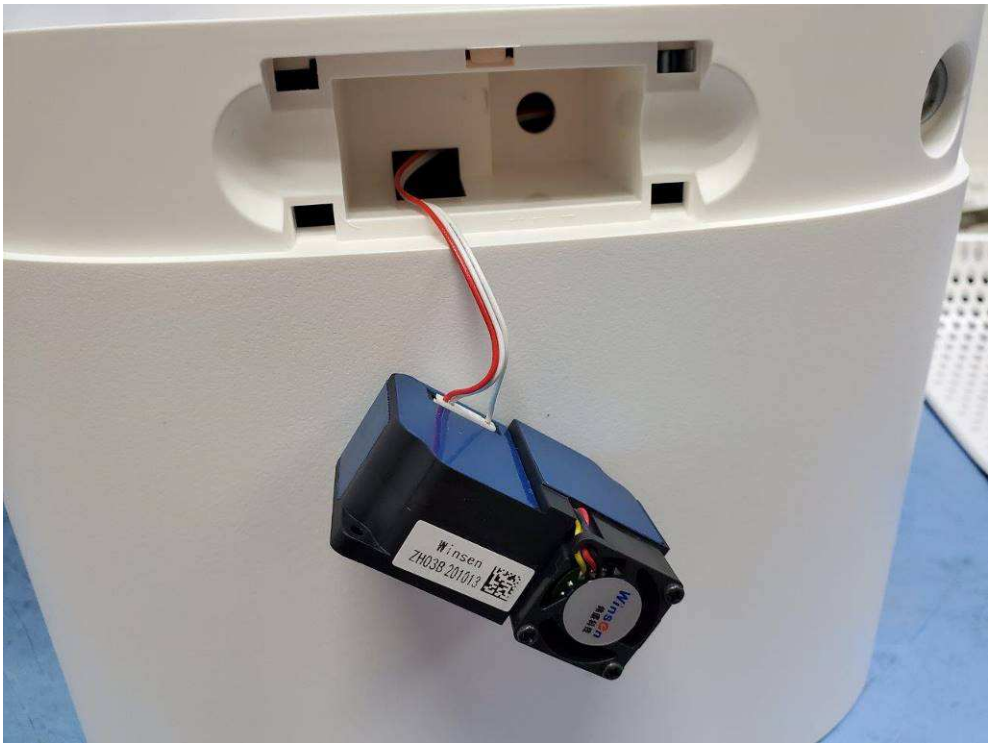
Appliance view

PM2.5 sensor cover

TEST REPORT



PM2.5 sensor position



PM2.5 sensor

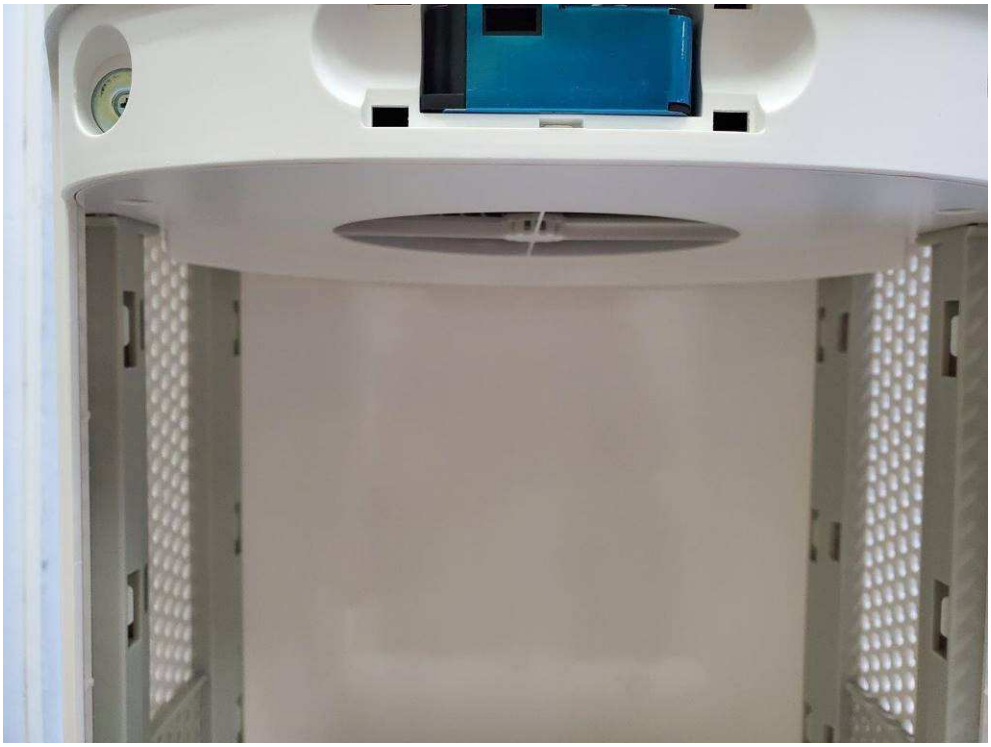
TEST REPORT

Bottom view

Inside view

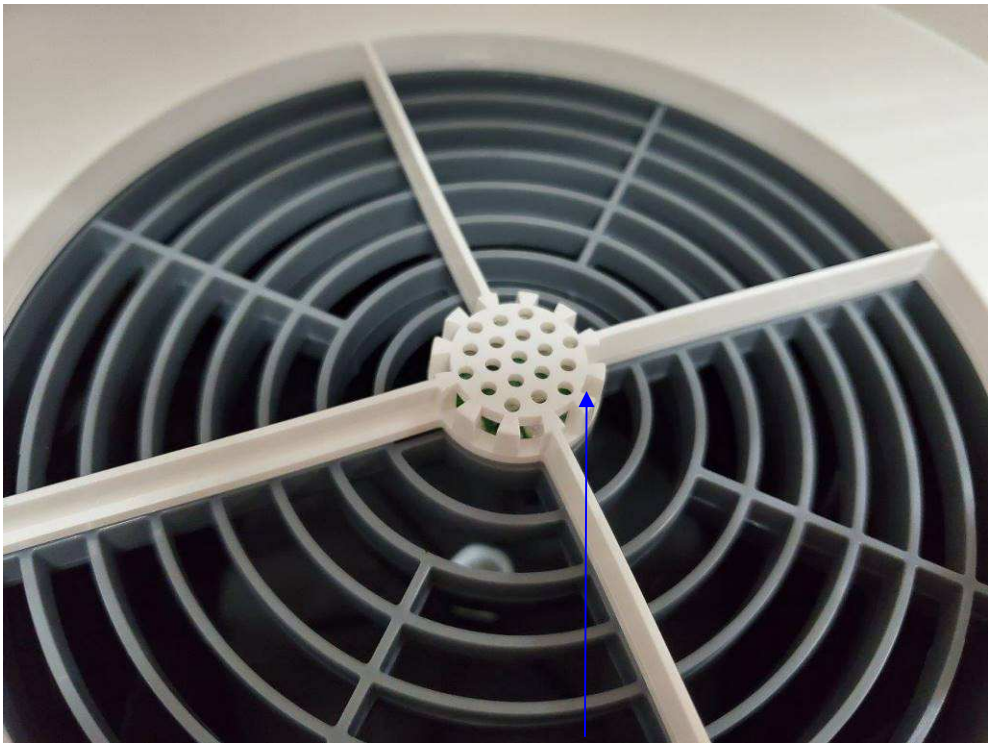
TEST REPORT

Appliance inlet view

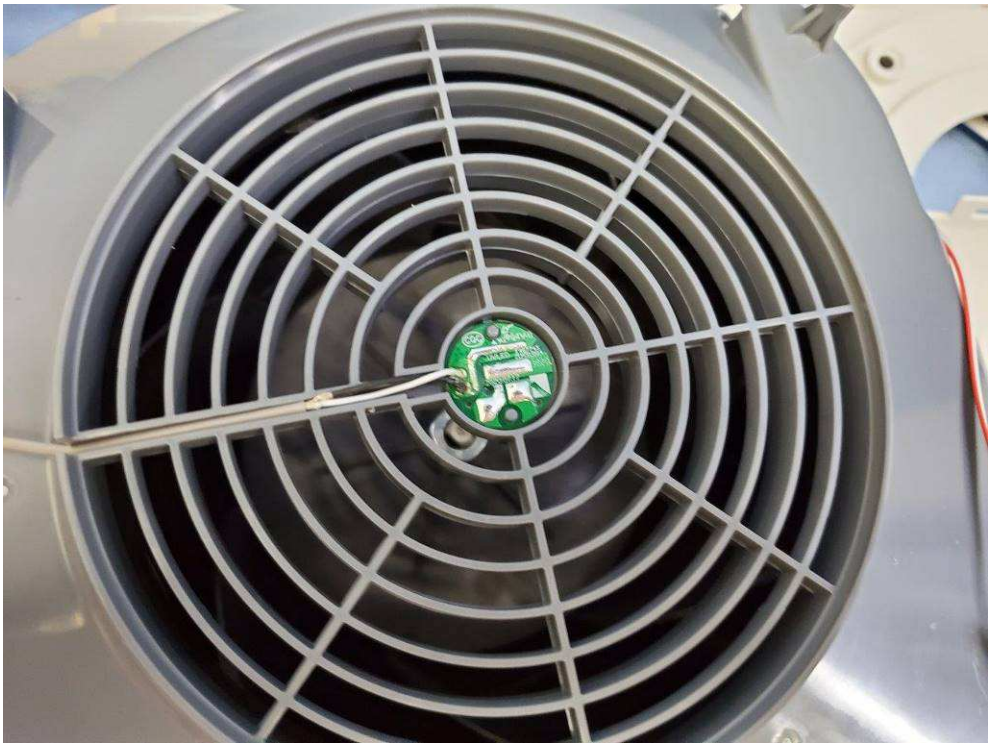


Air inlet

TEST REPORT



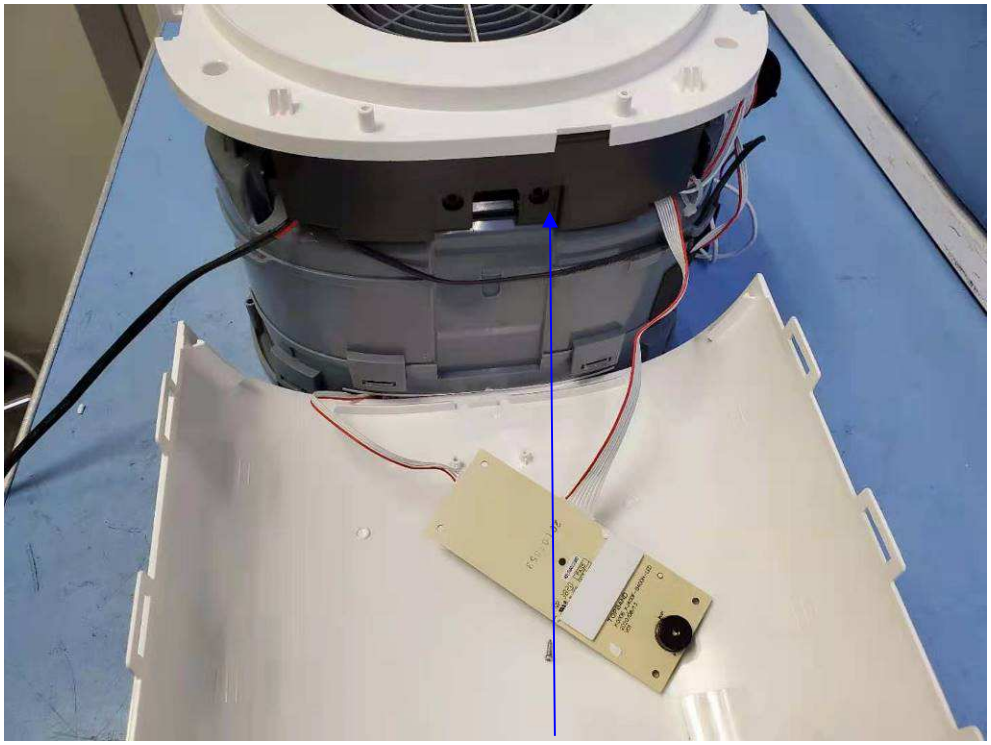
Air inlet; UV lamp position



UV lamp PCB

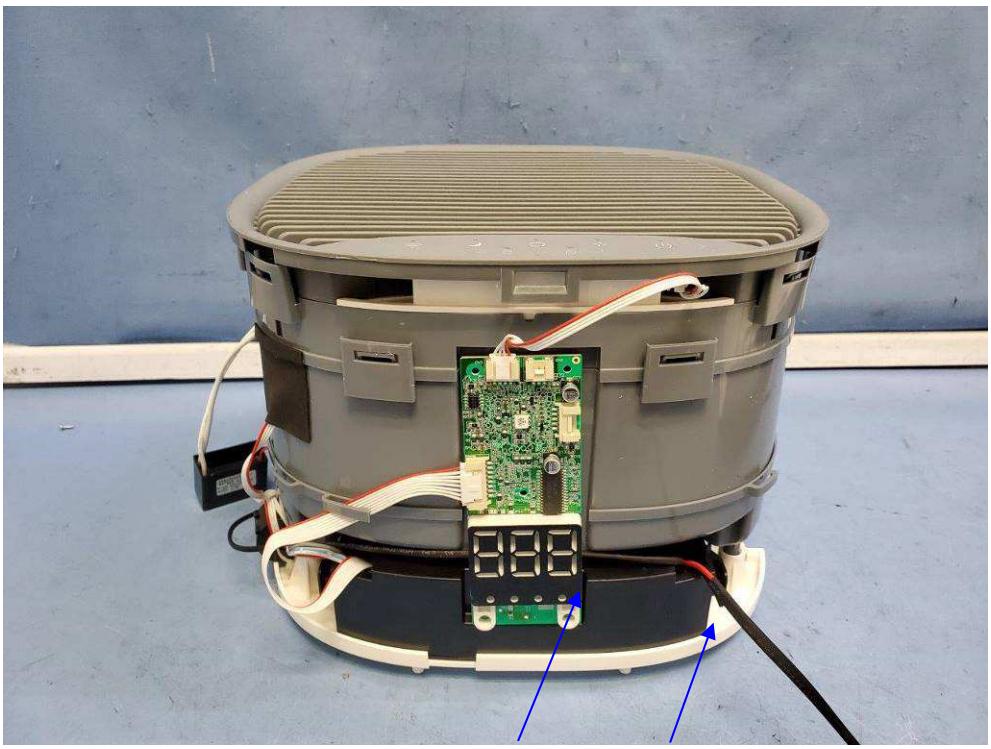
TEST REPORT

UV lamp

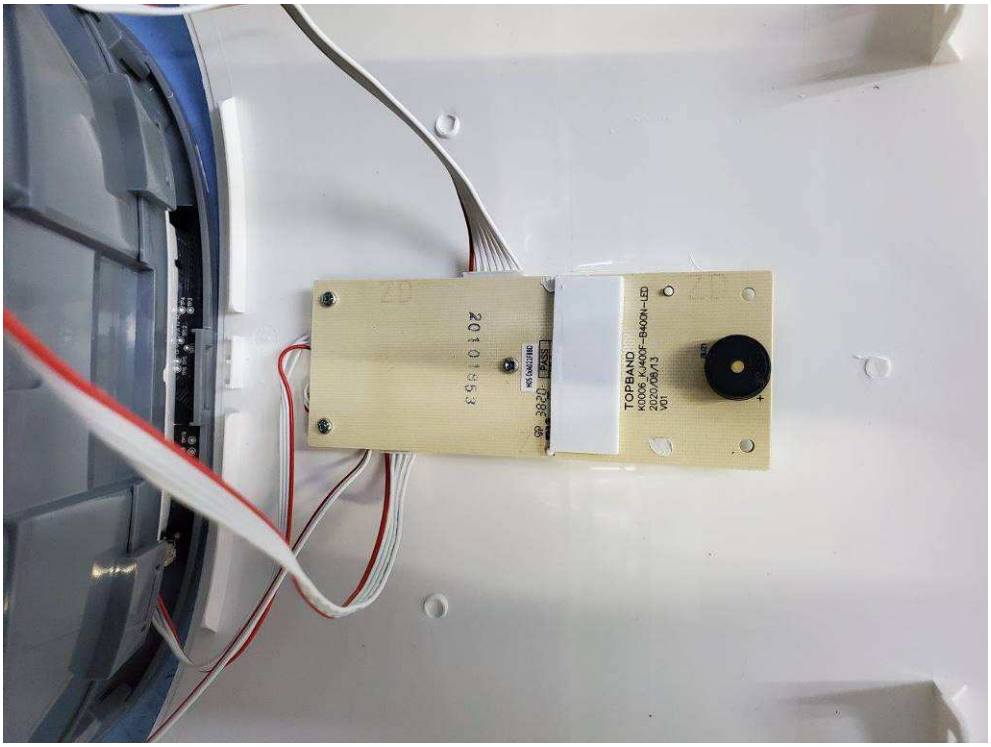


Main PCB Box position

TEST REPORT

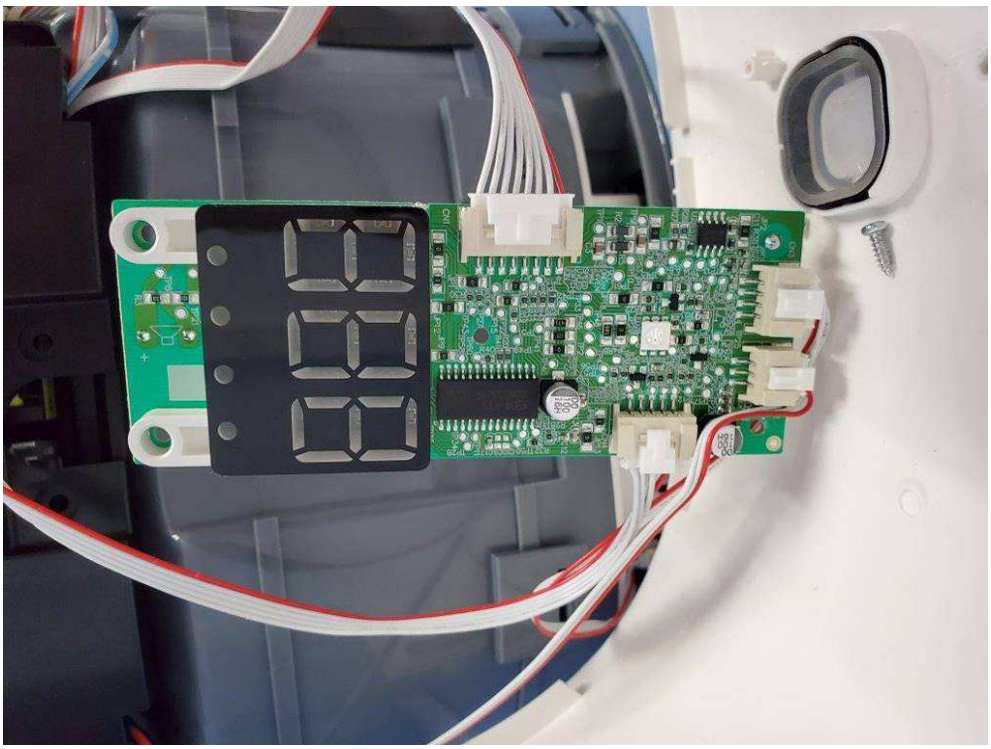


Display PCB, Main PCB Box

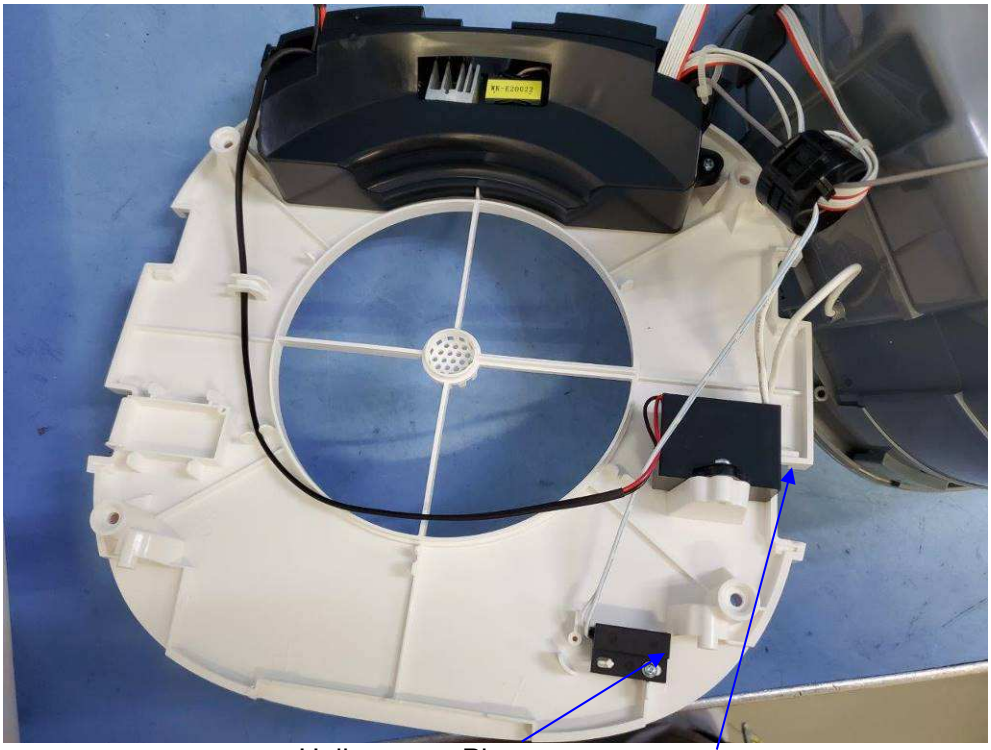


Display PCB

TEST REPORT

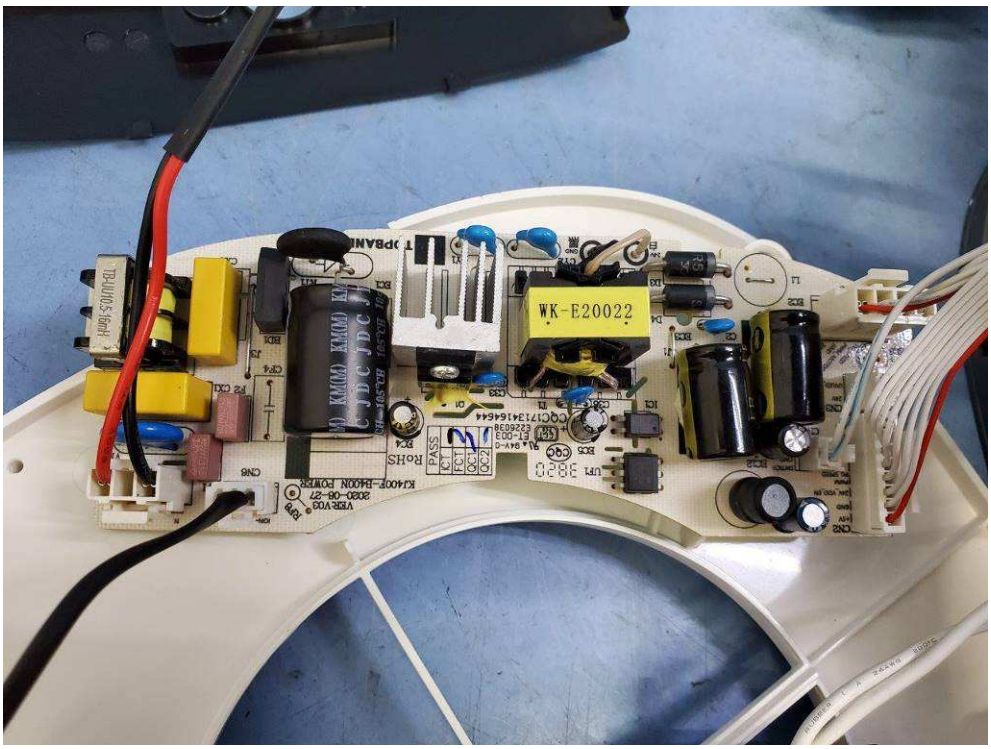


Display PCB

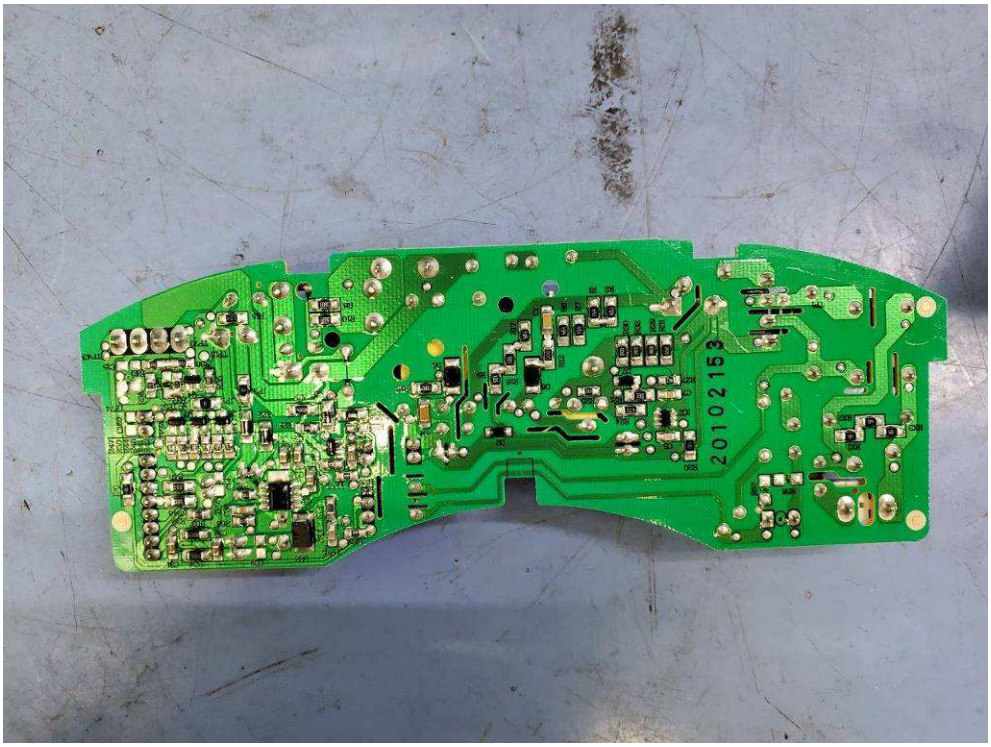


Hall sensor, Plasma generator

TEST REPORT

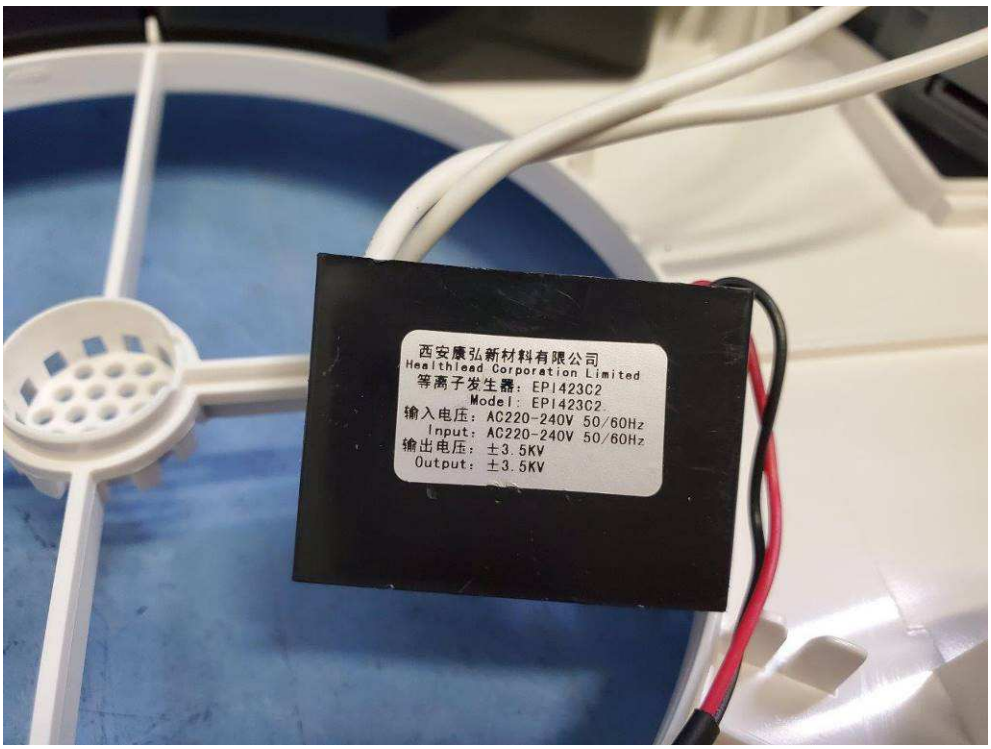


Main PCB

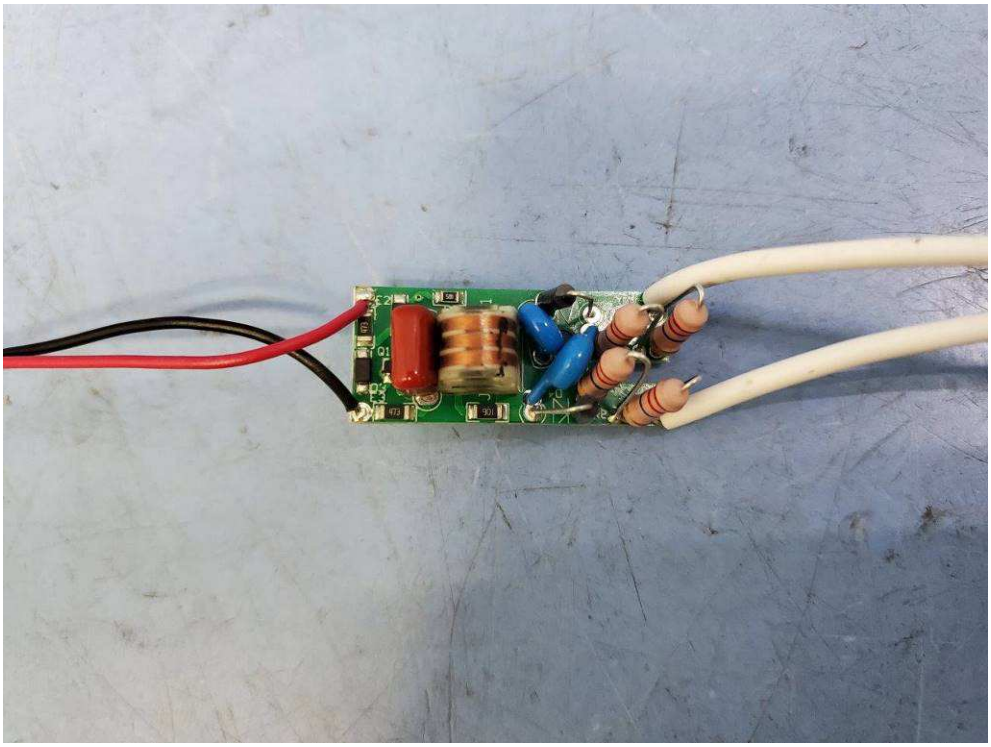


Main PCB

TEST REPORT

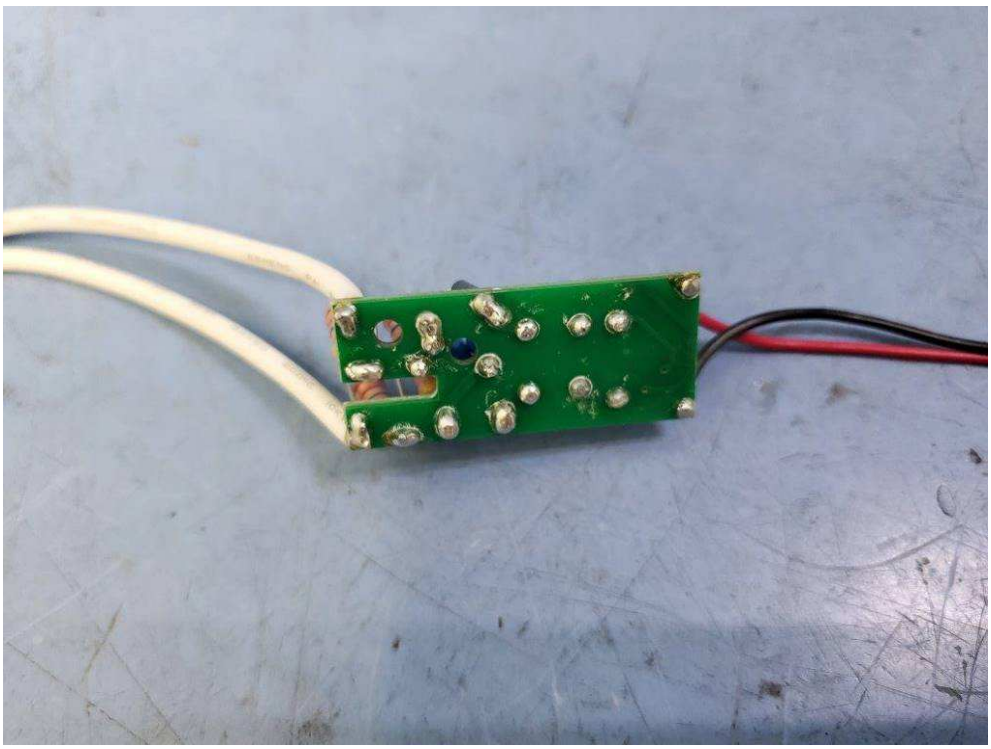


Plasma generator



Plasma generator

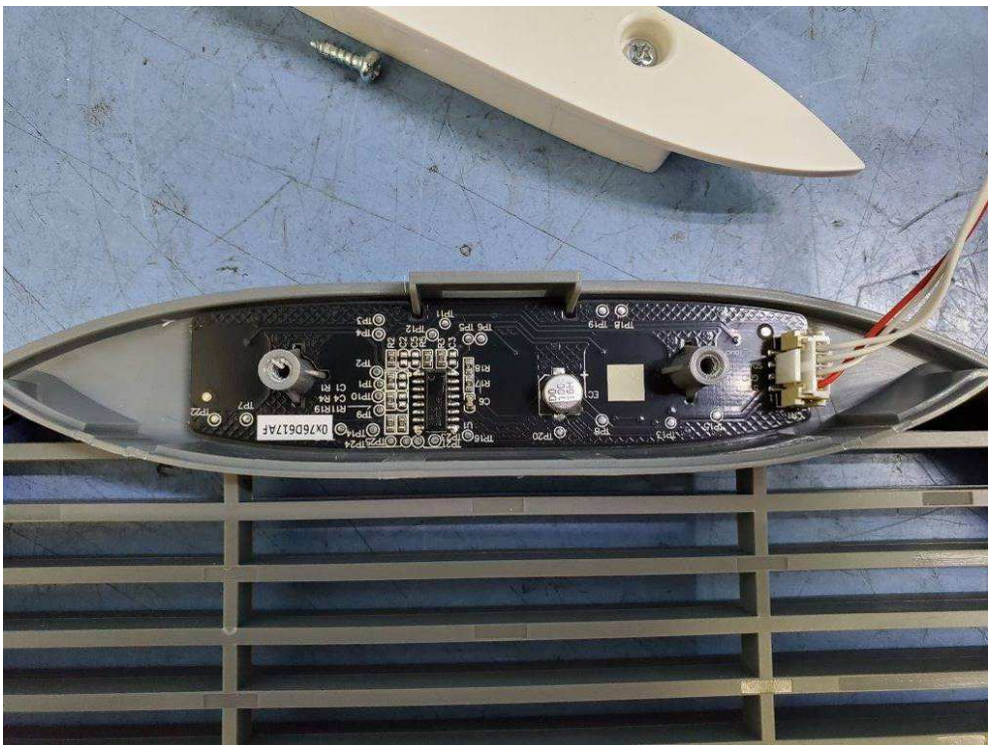
TEST REPORT



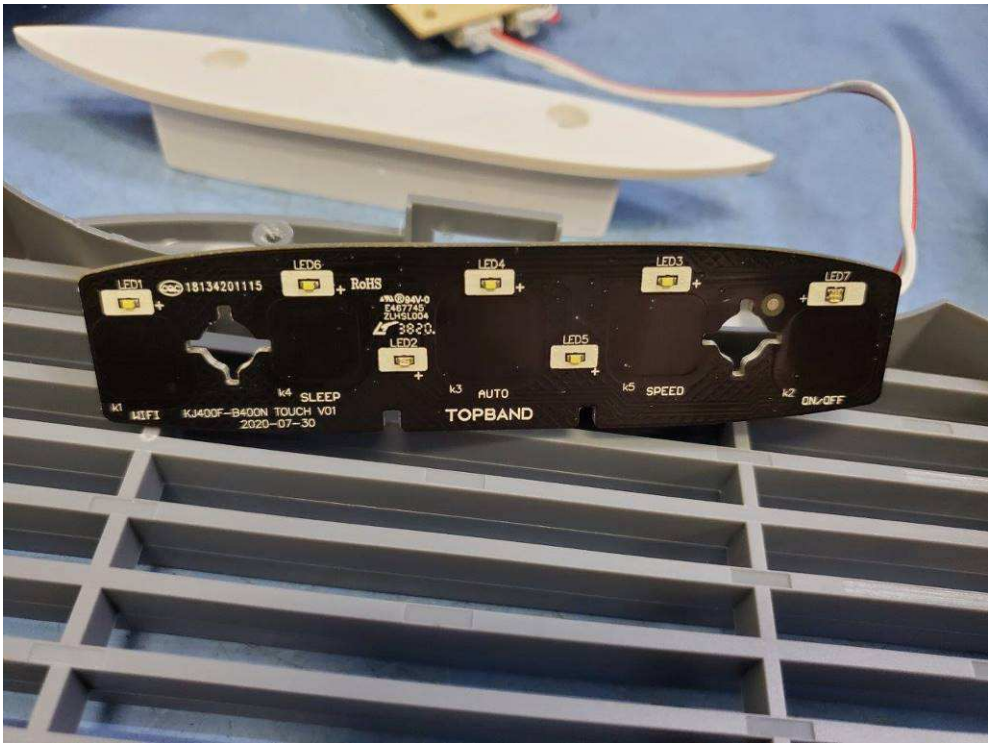
Plasma generator

Inner view

TEST REPORT

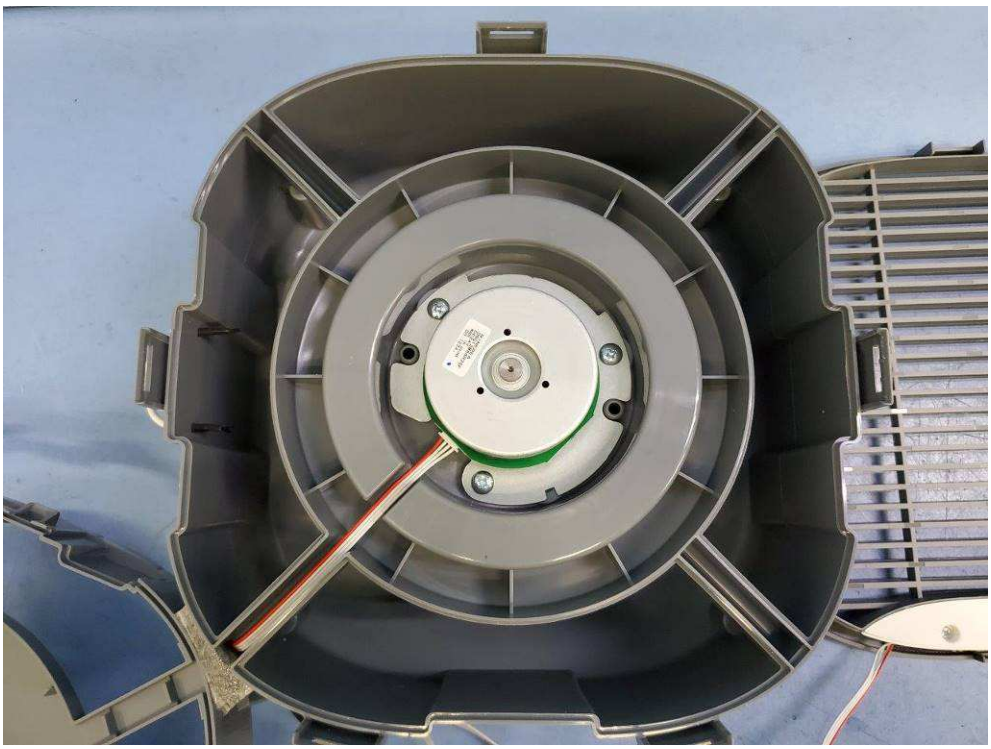


Control PCB

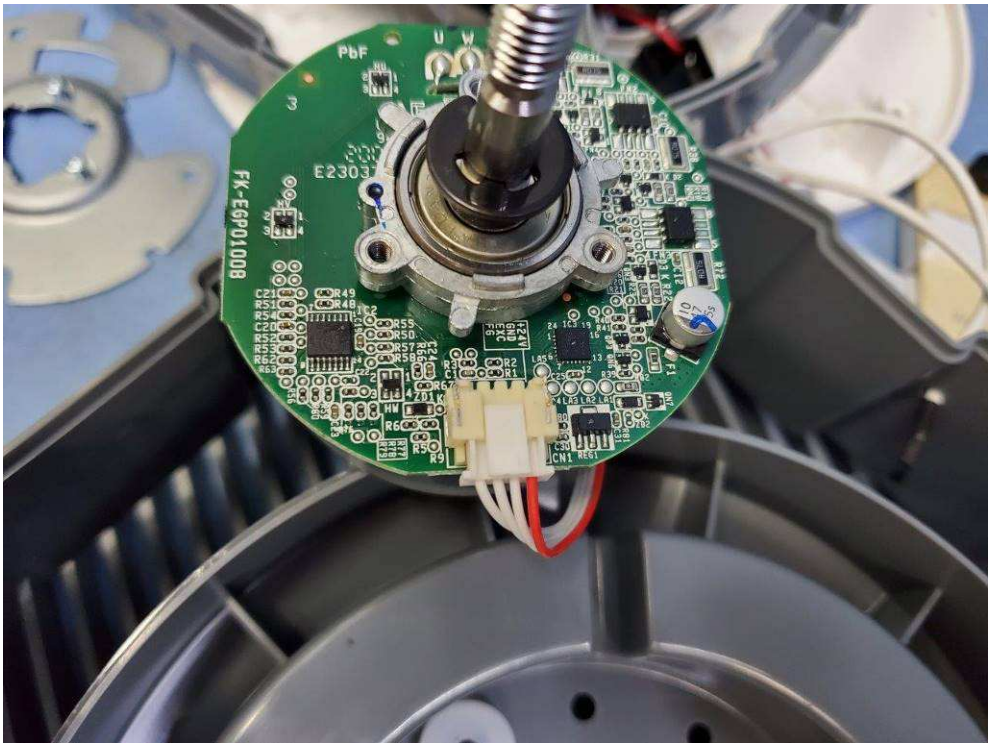


Cpntrol PCB

TEST REPORT



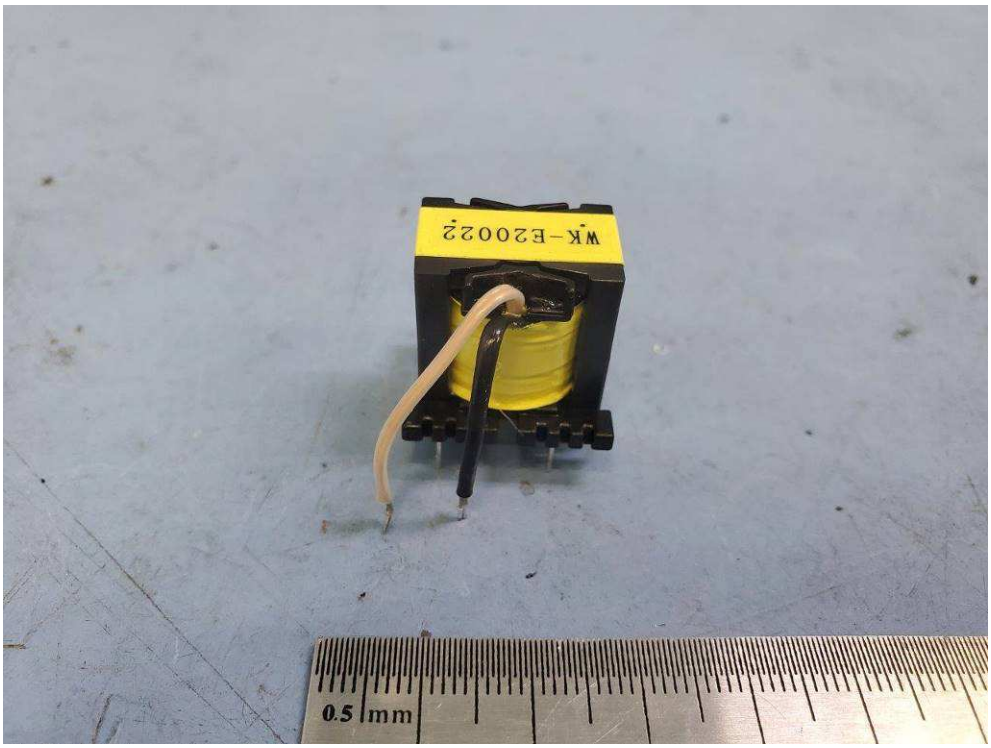
Motor position

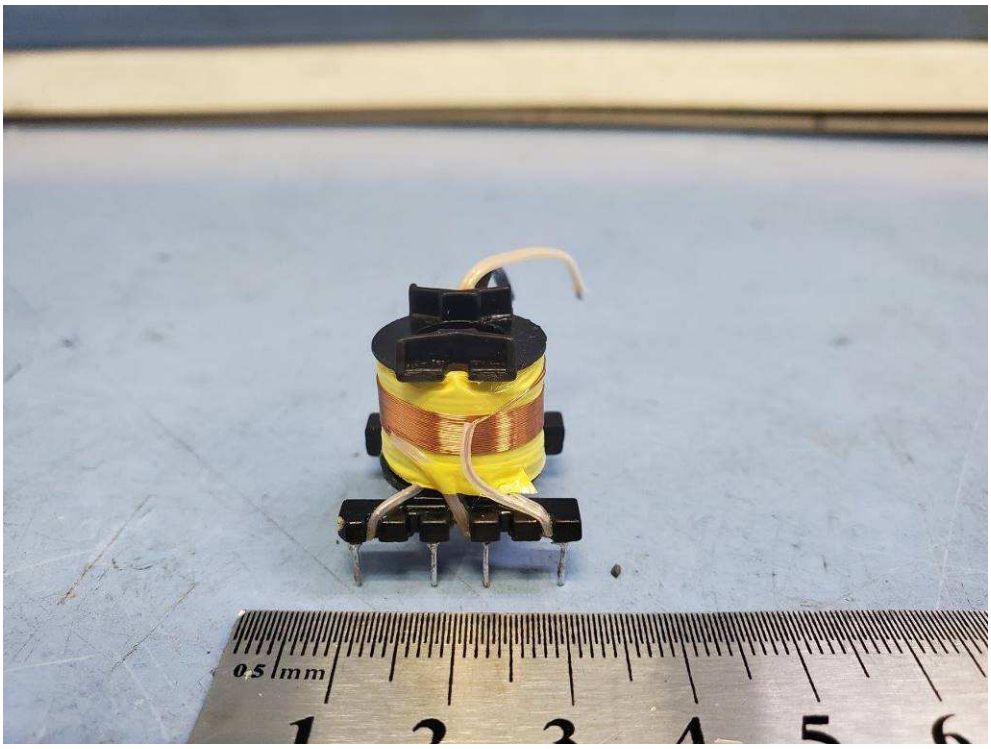


Motor

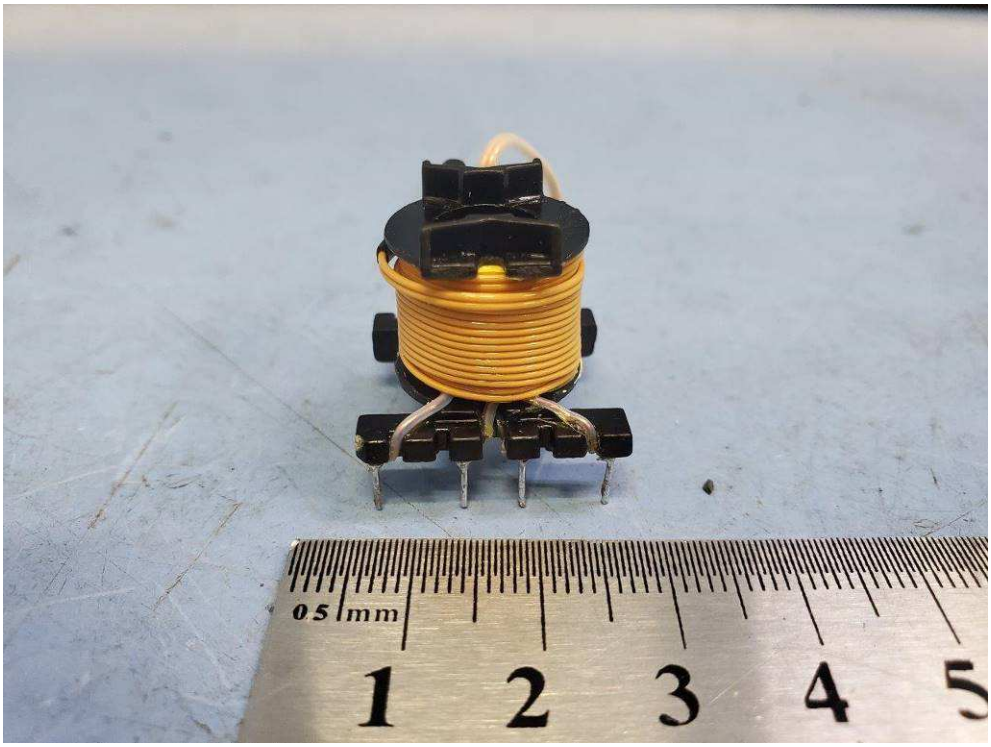
TEST REPORT

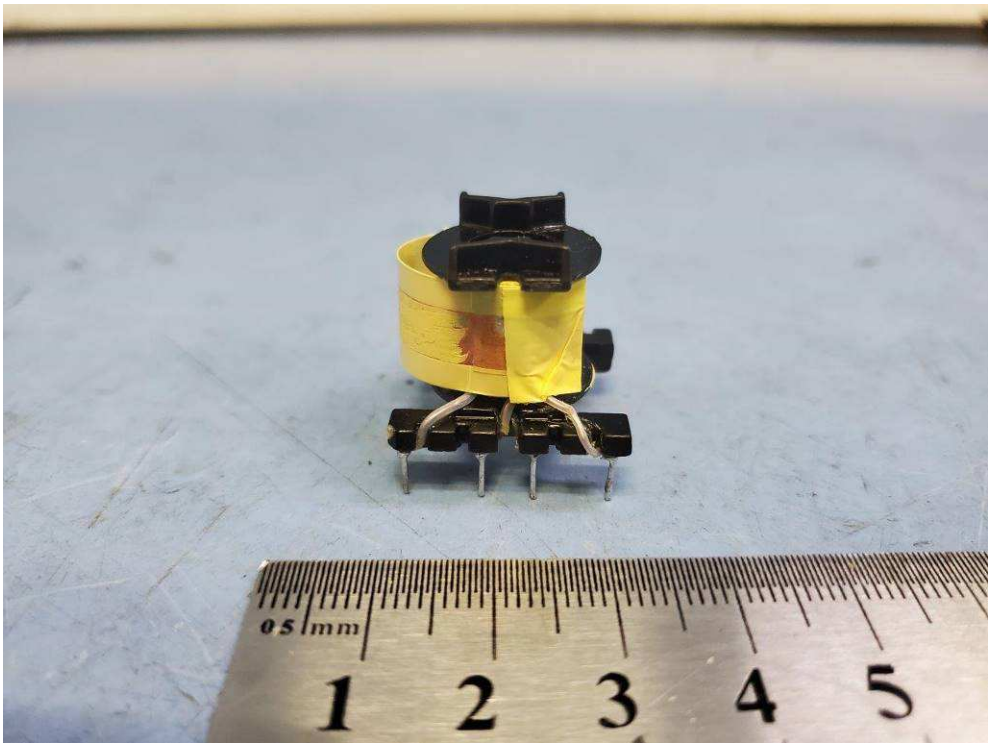
Below photo for DS-X400W transformer on Main PCB:



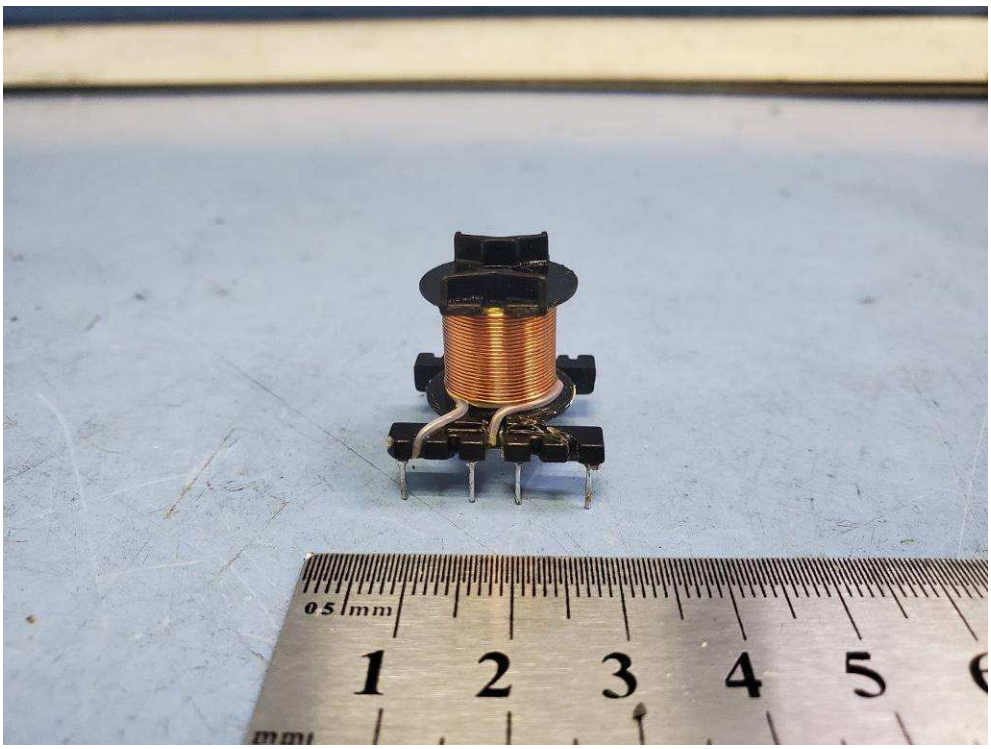


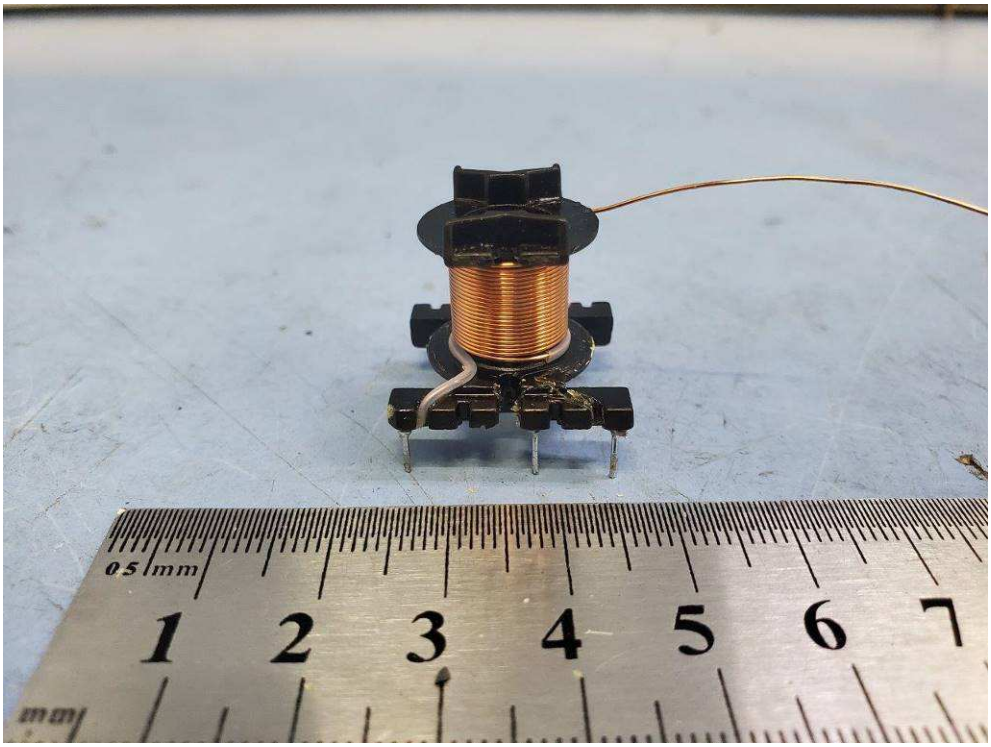
TEST REPORT





TEST REPORT





TEST REPORT

For model DS-S800:

Front view

Left side view

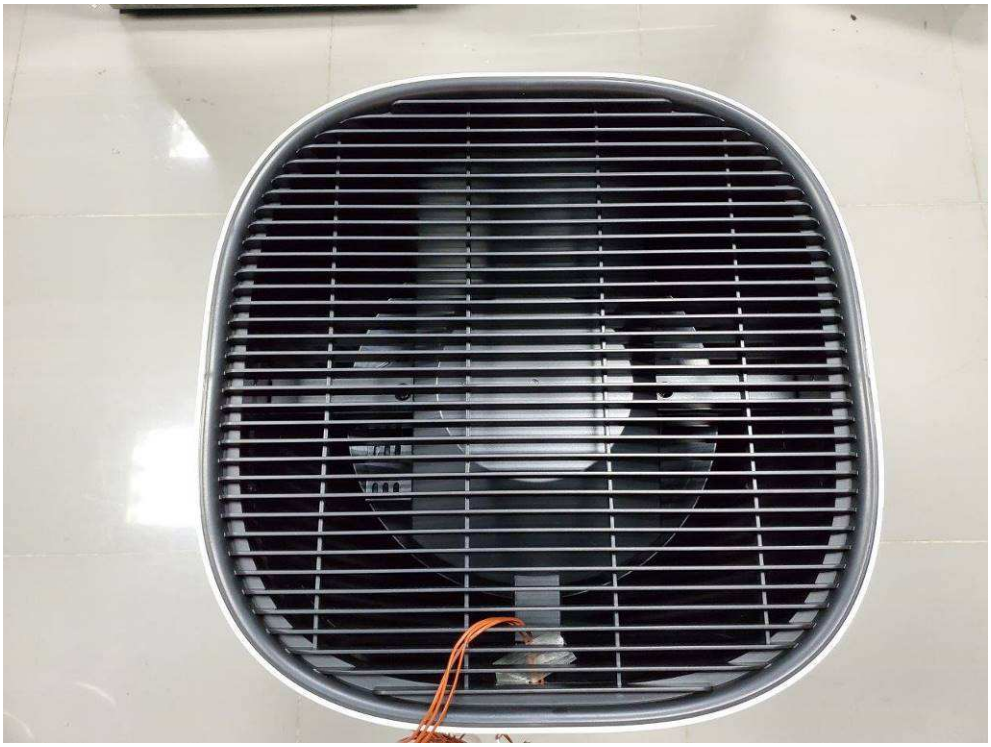
TEST REPORT

right side view

PM2.5 sensor position

TEST REPORT

PM2.5 sensor



Air outlet

TEST REPORT

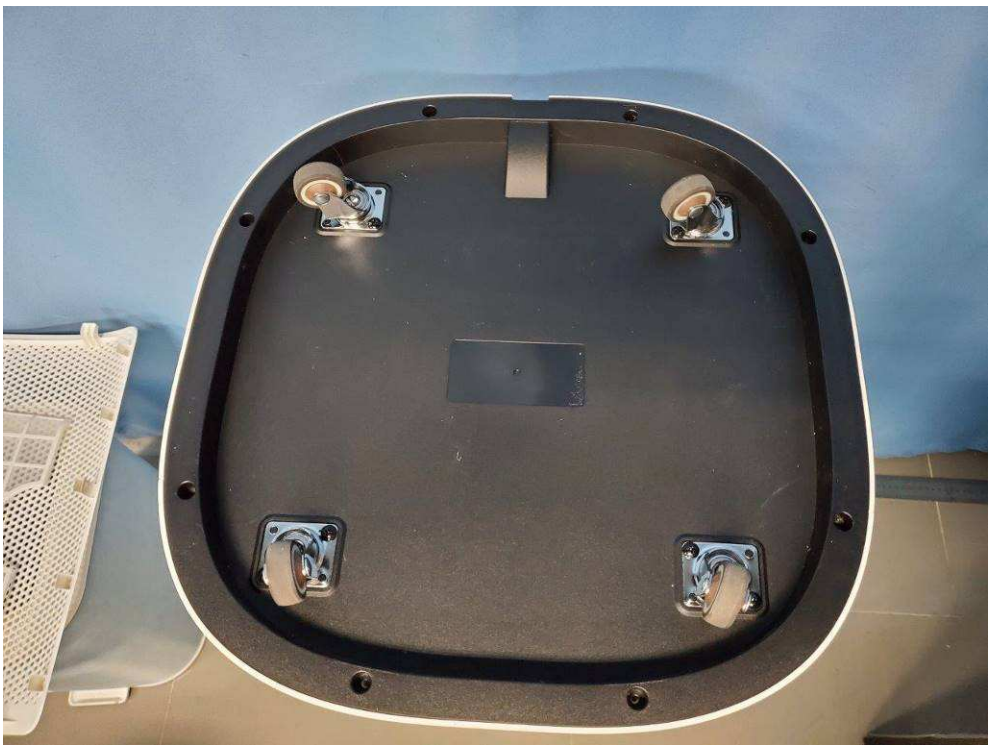
Display panel

Bottom air inlet

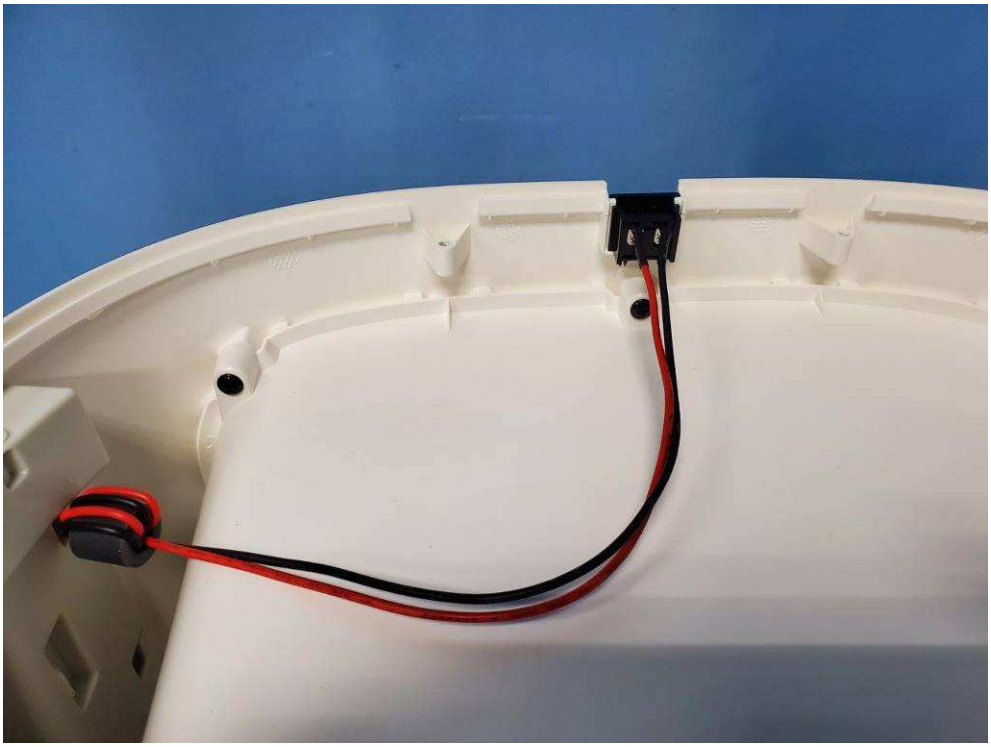
TEST REPORT

LED Ambient Light

Appliance inlet

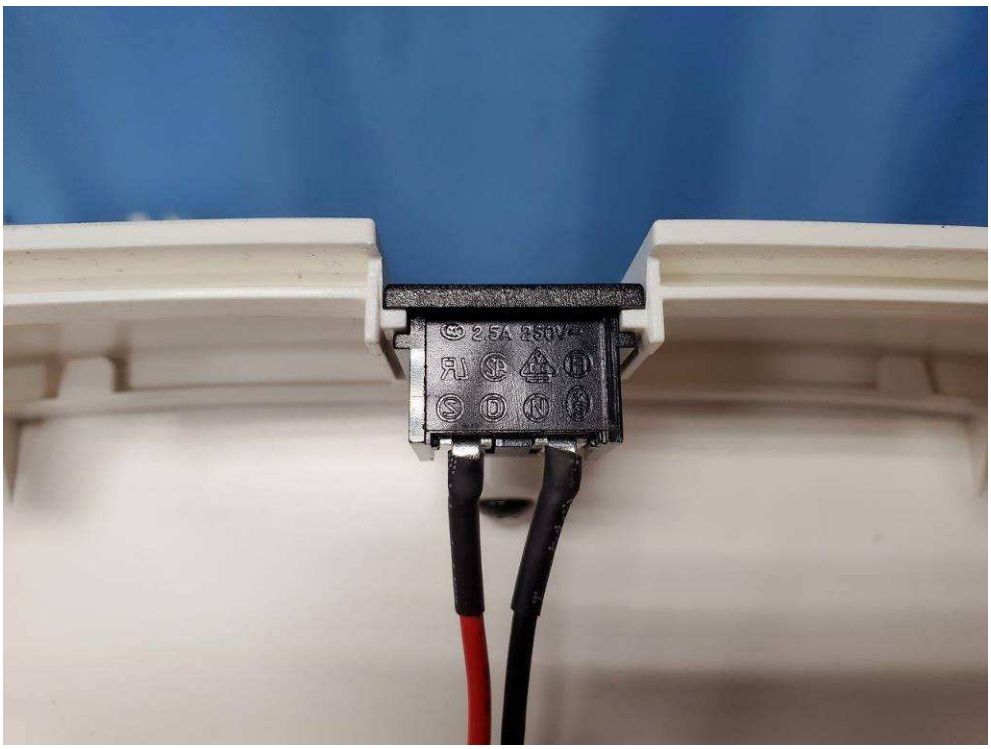


Bottom view



Inner view

TEST REPORT

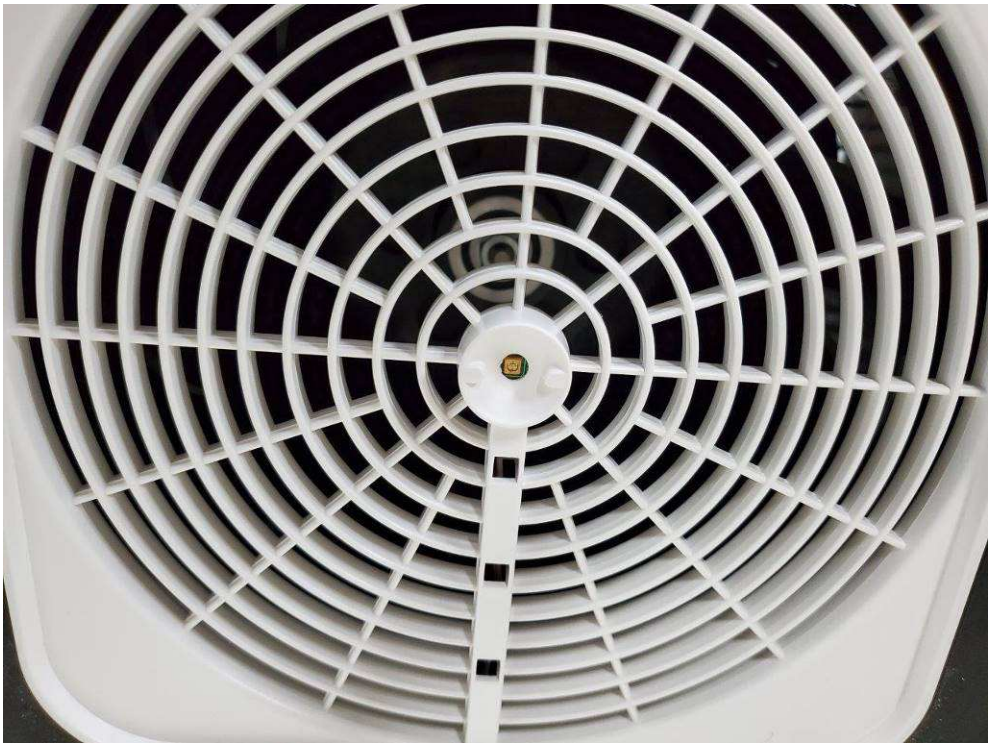


Appliance inlet

Remove filter view

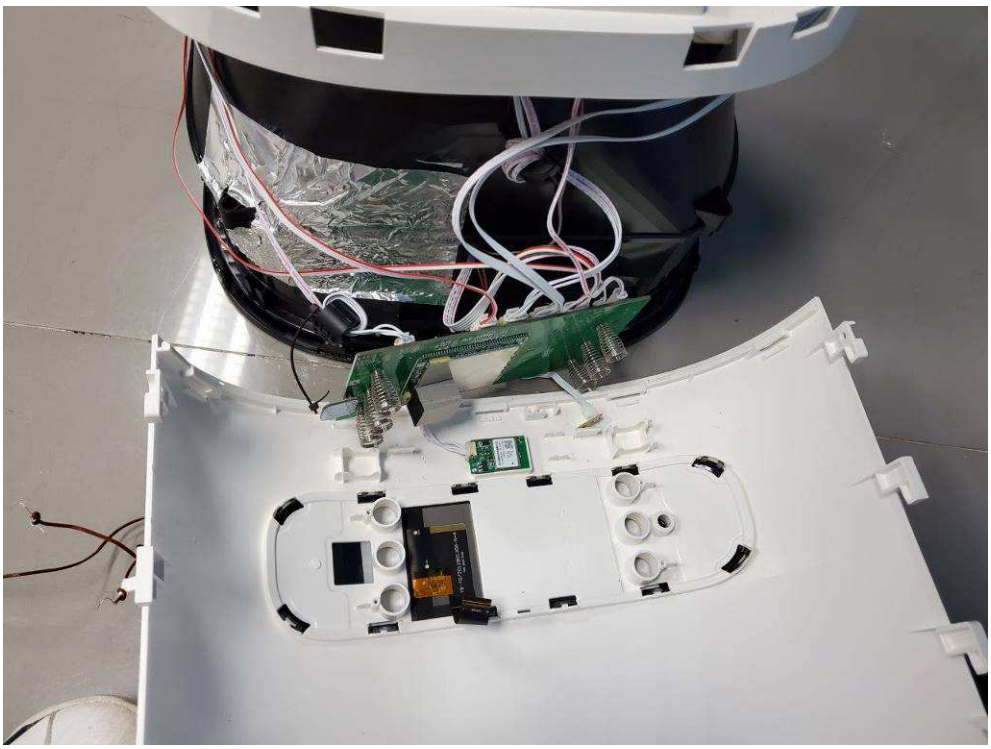
TEST REPORT

UV lamp position

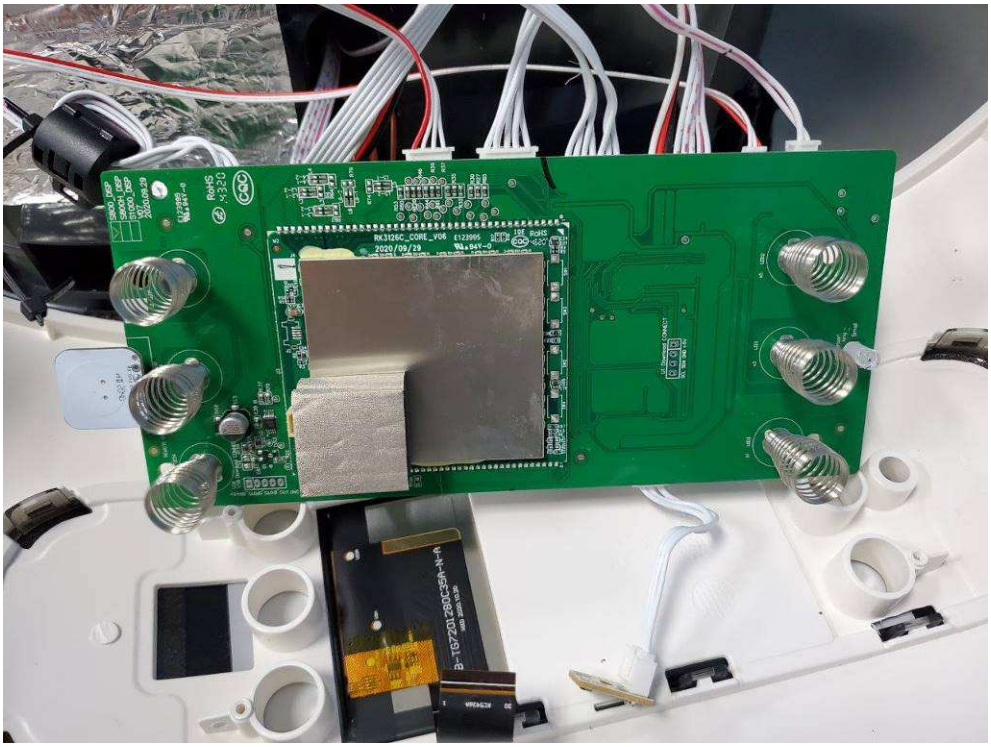


UV lamp position

TEST REPORT

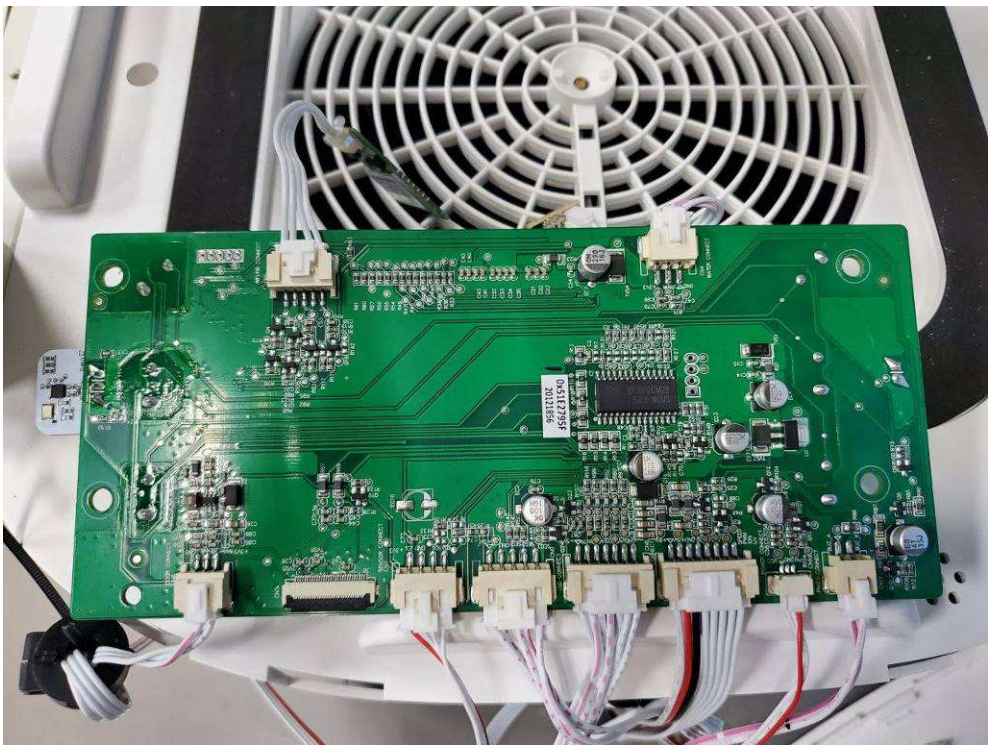


Inner view

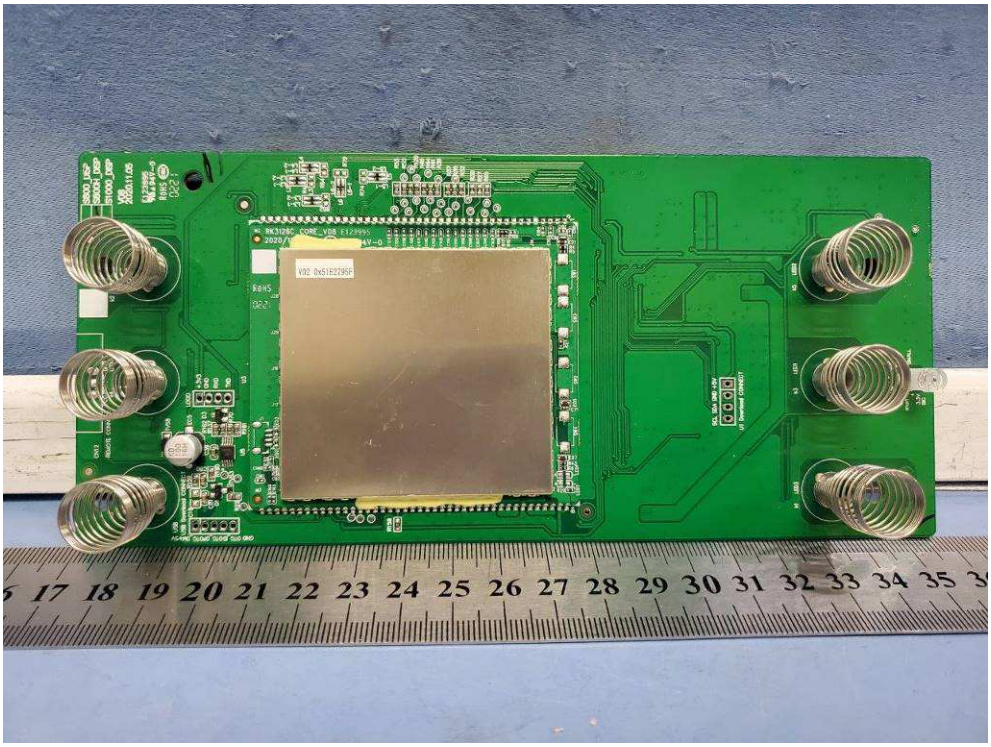


Control PCB, Version: V07

TEST REPORT

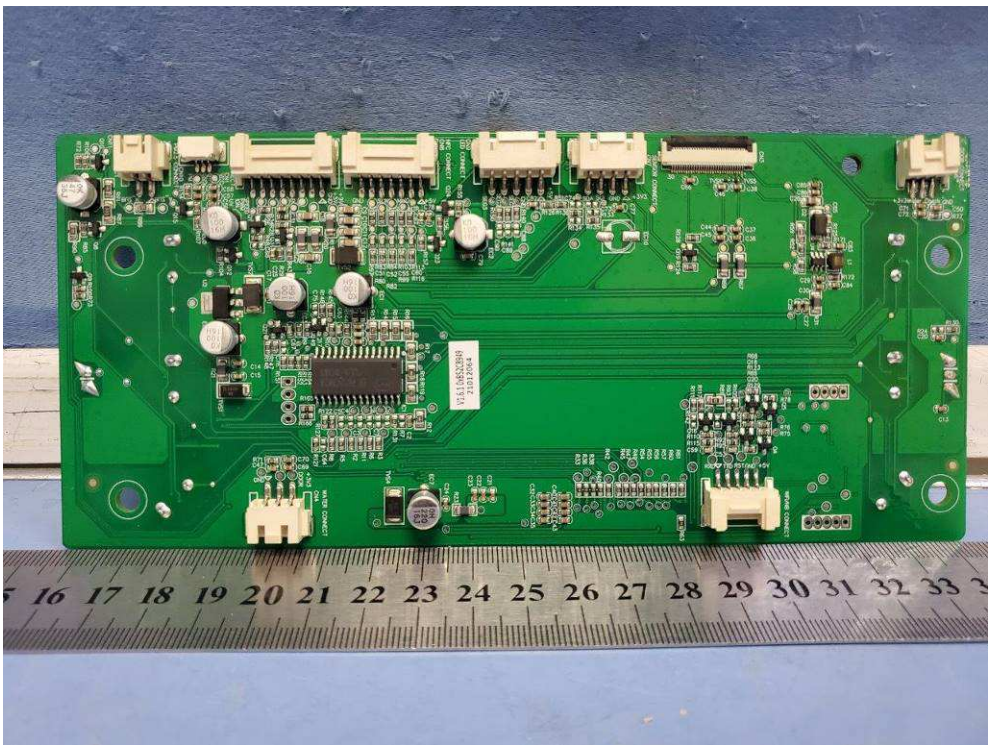


Control PCB, Version: V07



Alternative Control PCB, Version: V08

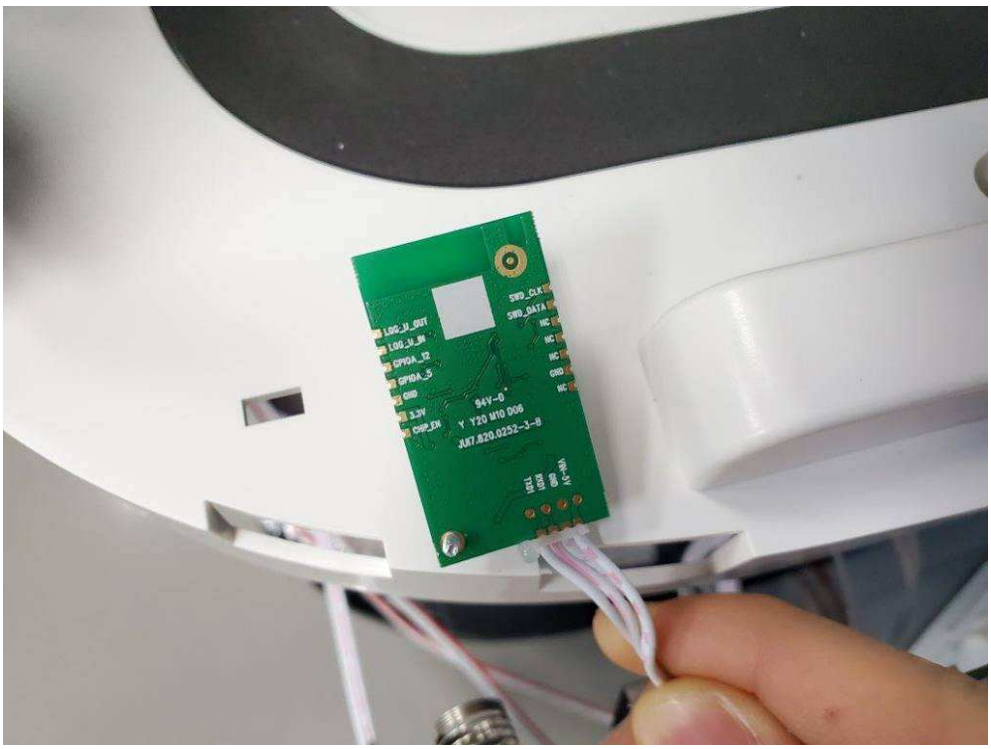
TEST REPORT



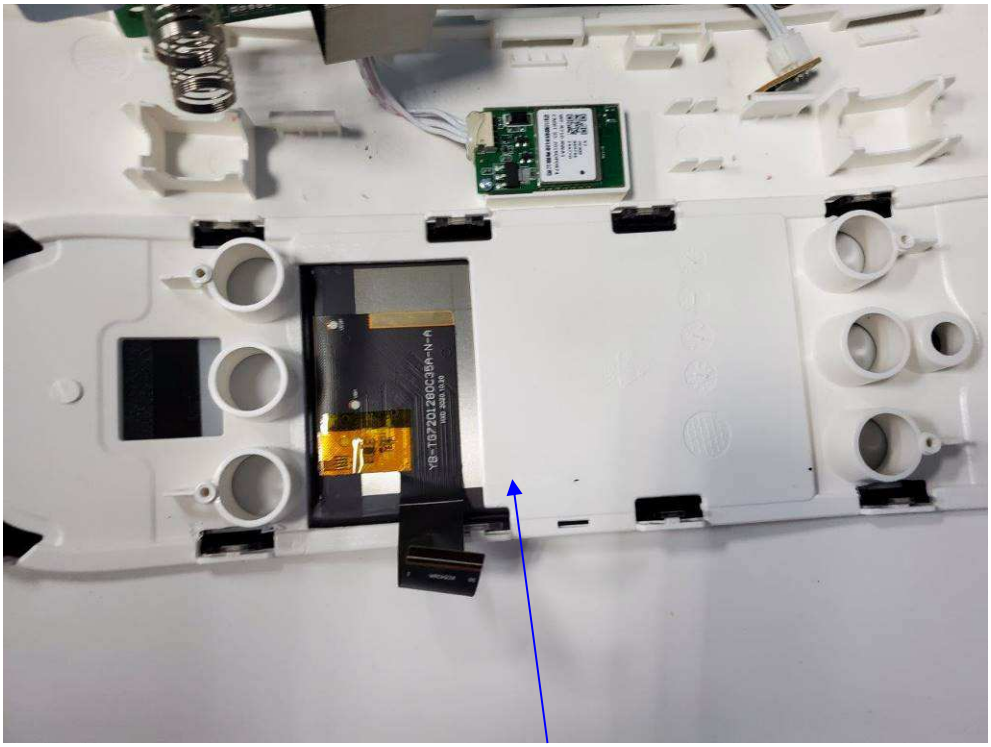
Alternative Control PCB, Version: V08

WiFi module

TEST REPORT



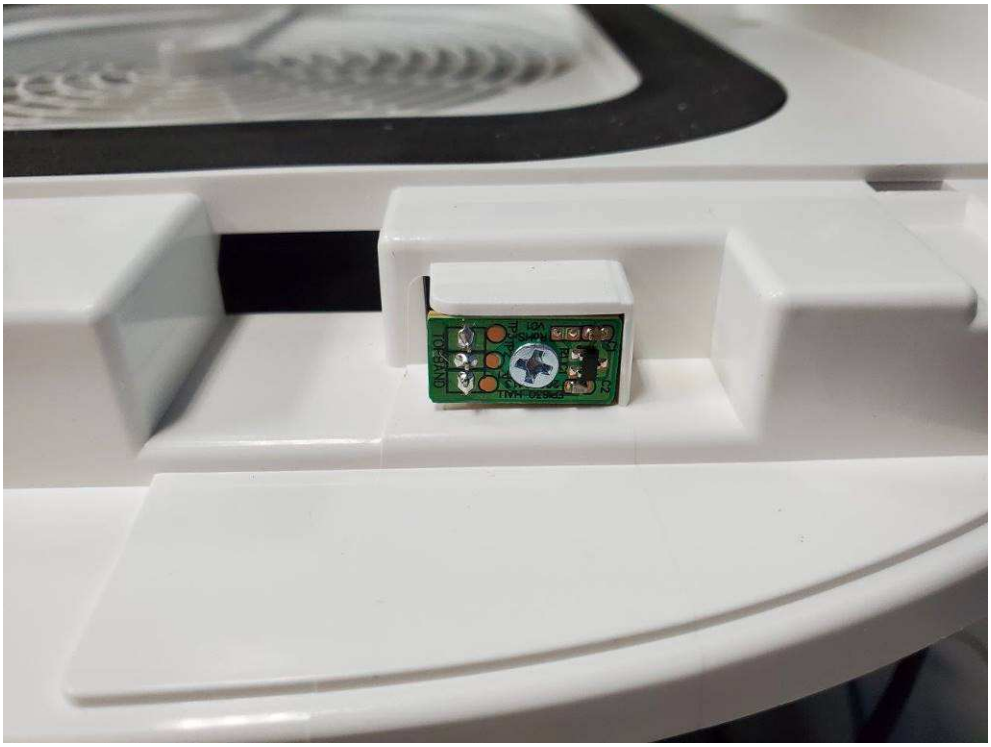
WiFi module



Diplay module

TEST REPORT

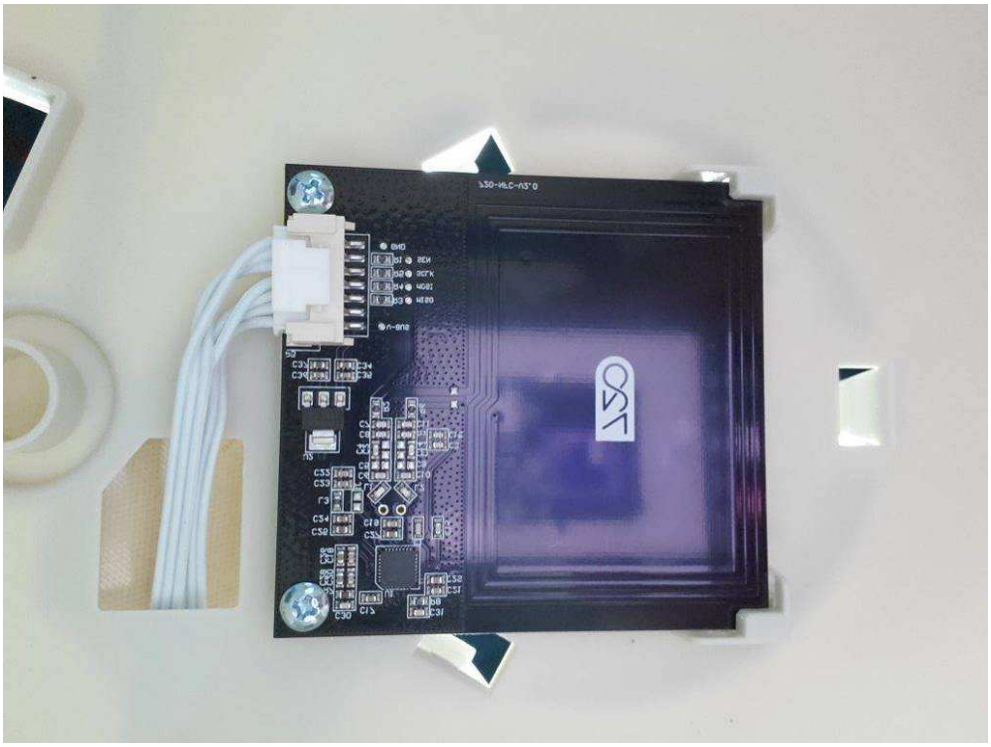
Diplay module



Hall sensor PCB

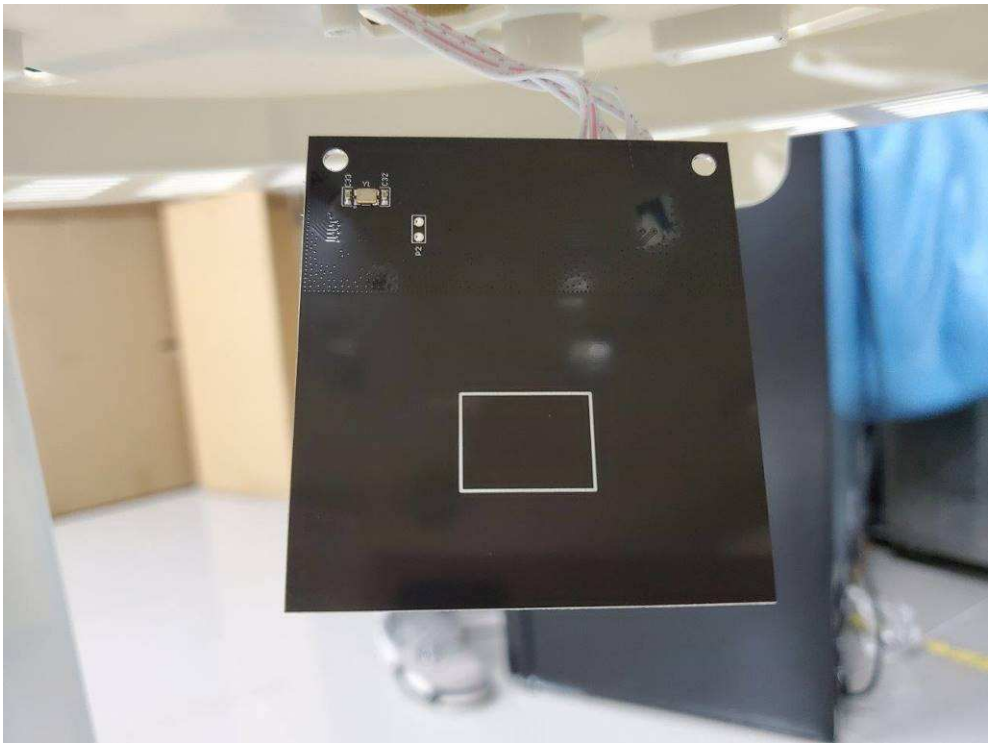
TEST REPORT

LED Ambient Light



NFC module PCB

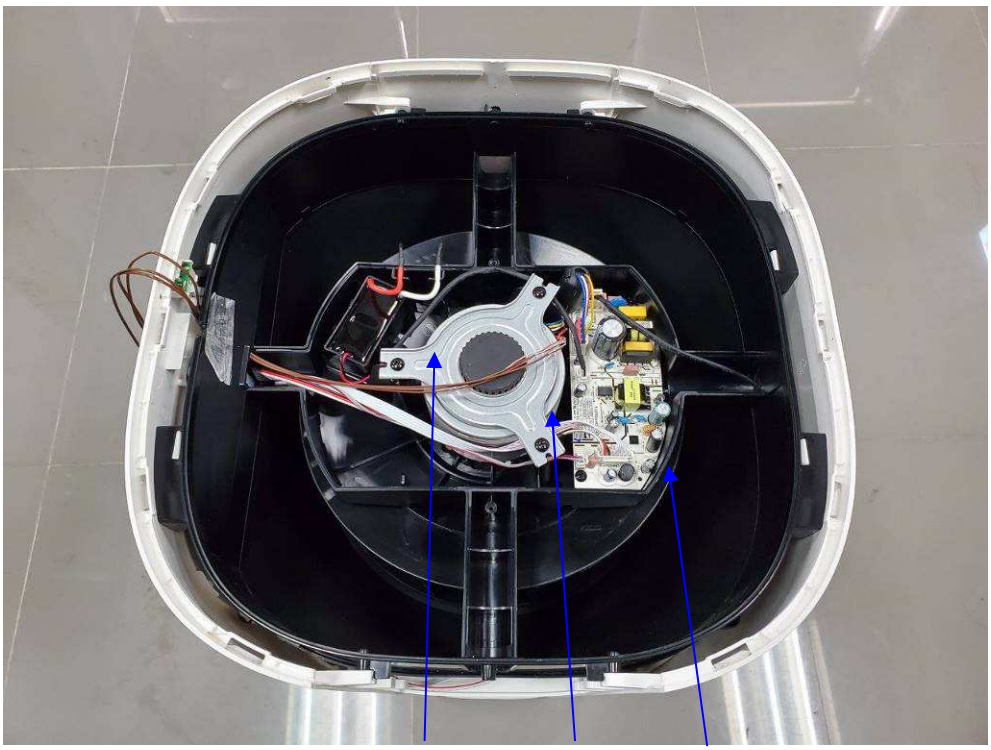
TEST REPORT



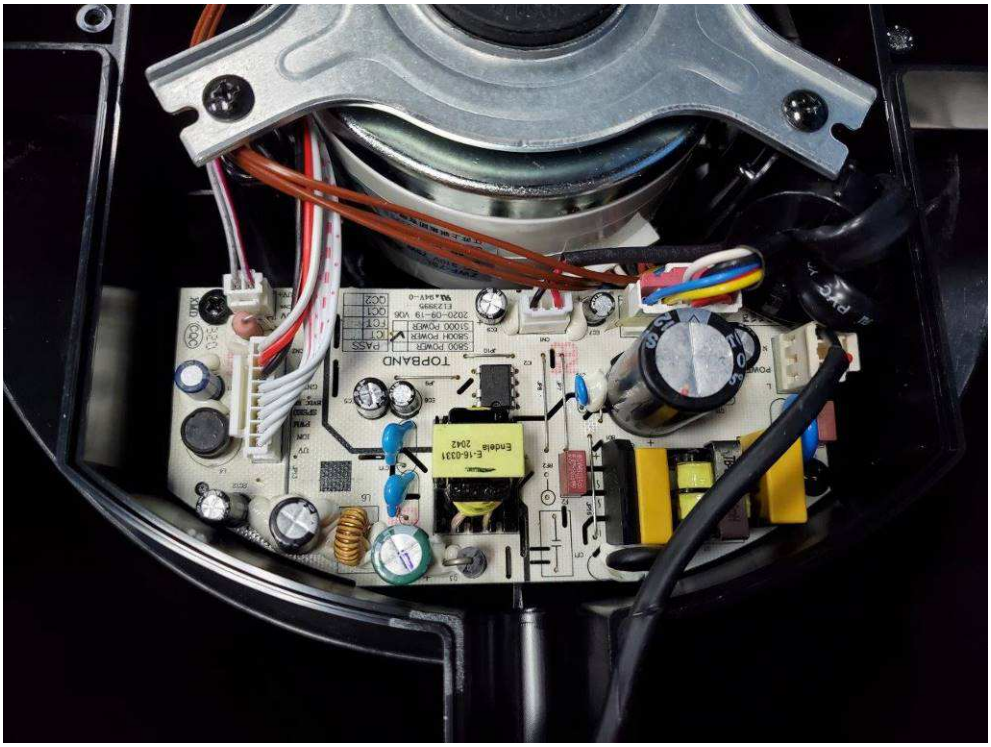
NFC module PCB

Main PCB cover

TEST REPORT



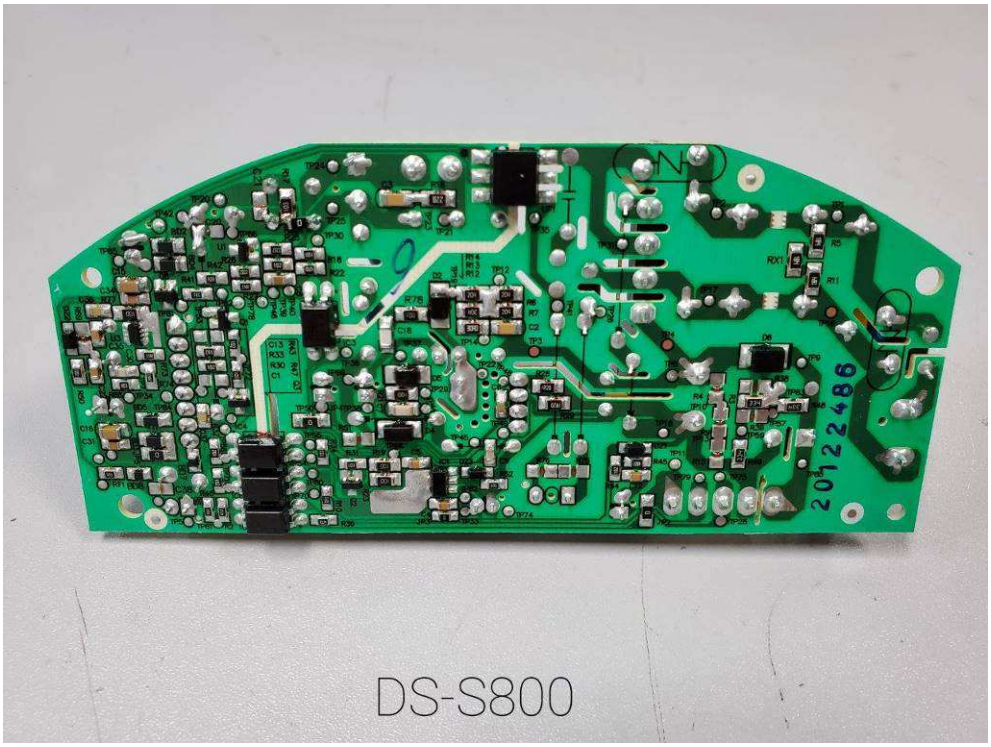
Plasma generator, fan motor, Power PCB



Power PCB

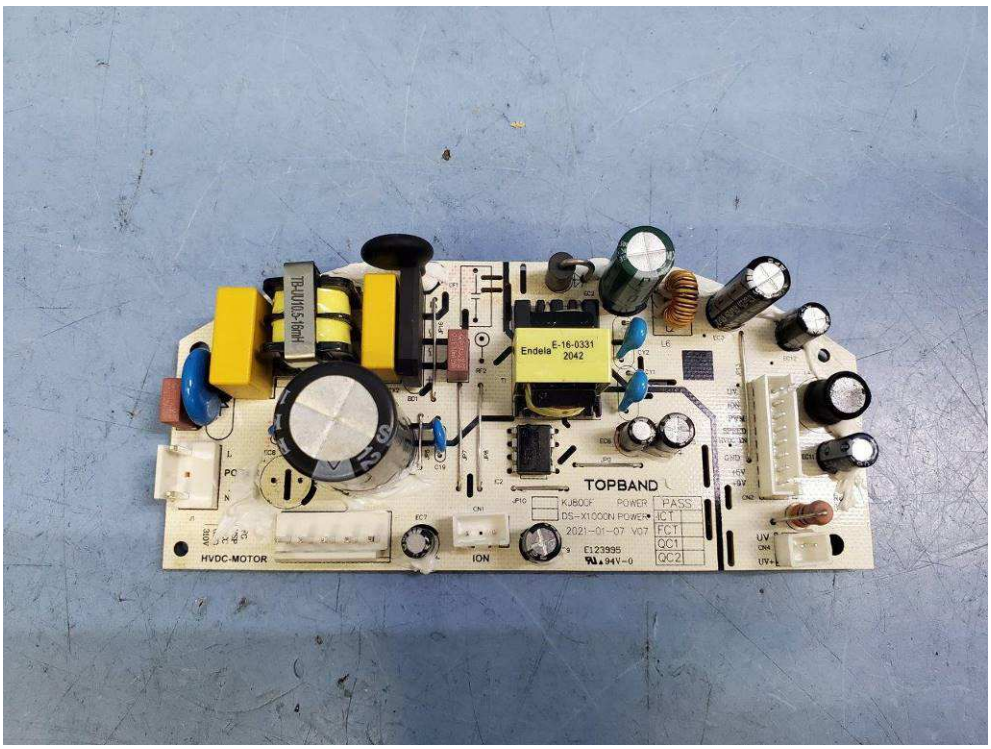
TEST REPORT

Power PCB for model DS-S800

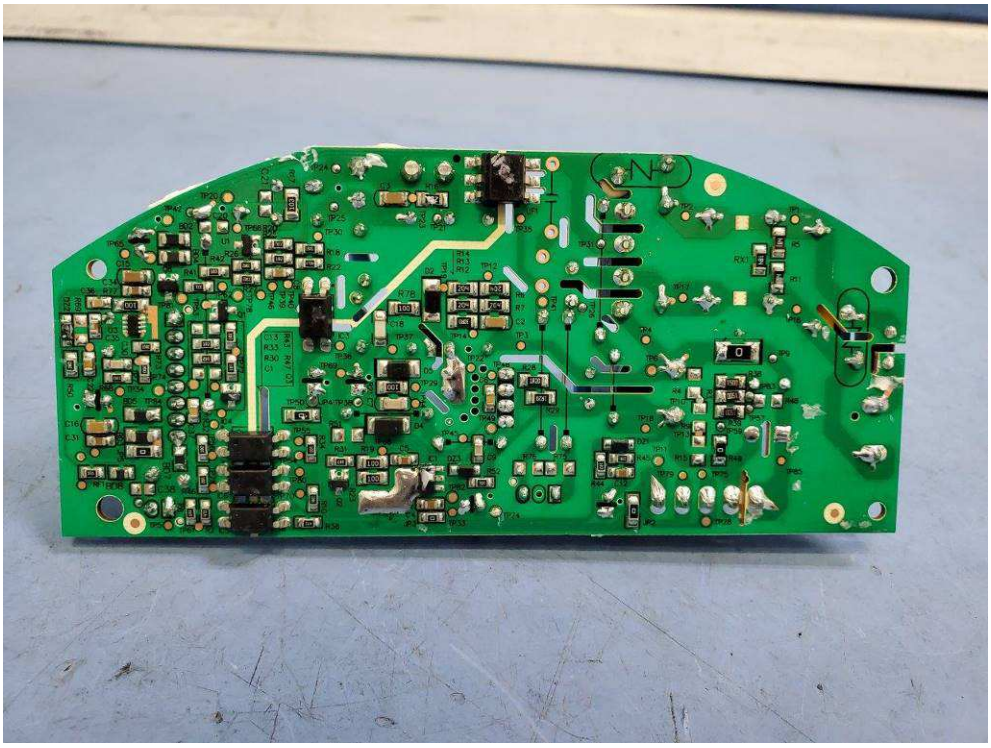


Power PCB for model DS-S800

TEST REPORT

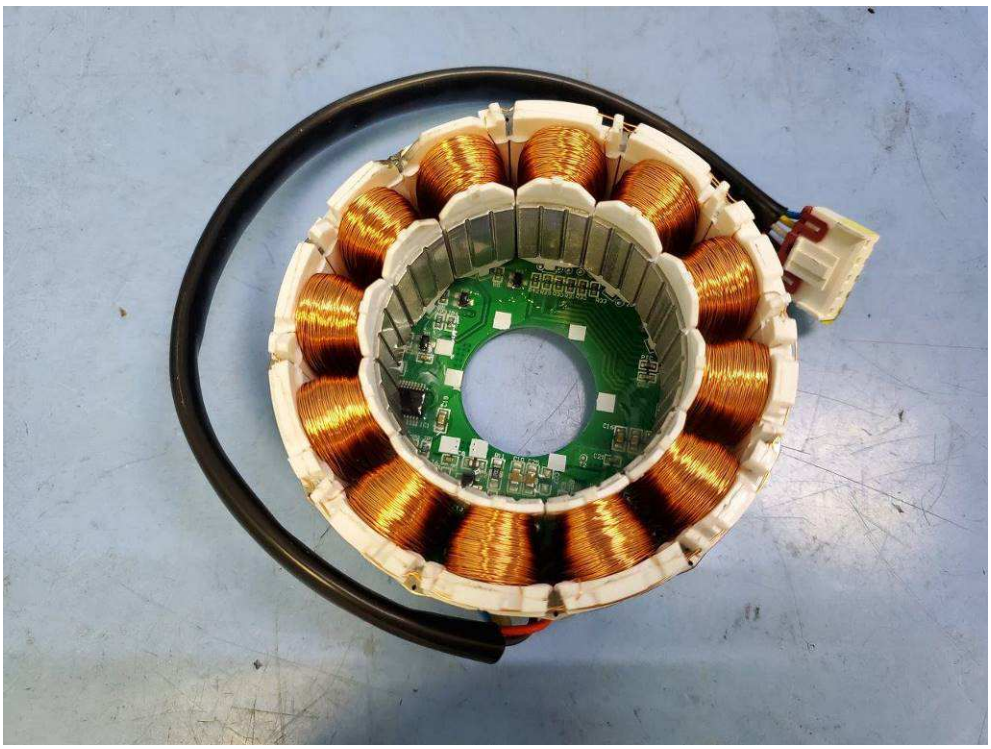


Power PCB for model DS-X1000N-A, DS-X1000W

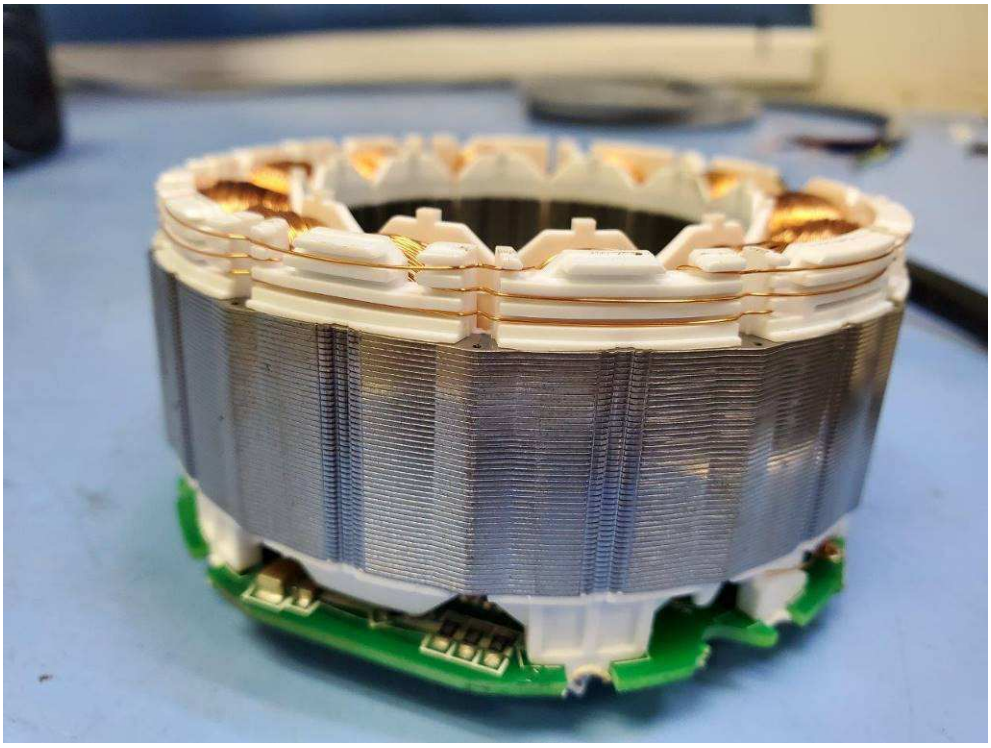


Power PCB for model DS-X1000N-A, DS-X1000W

TEST REPORT

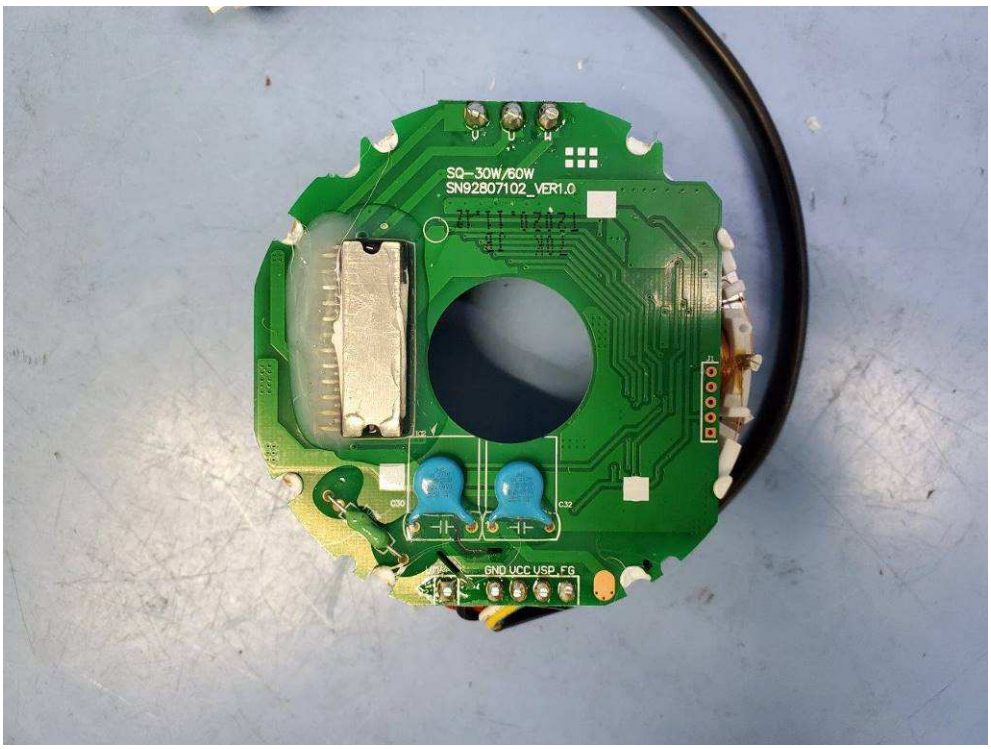


Motor model ZWF-75L

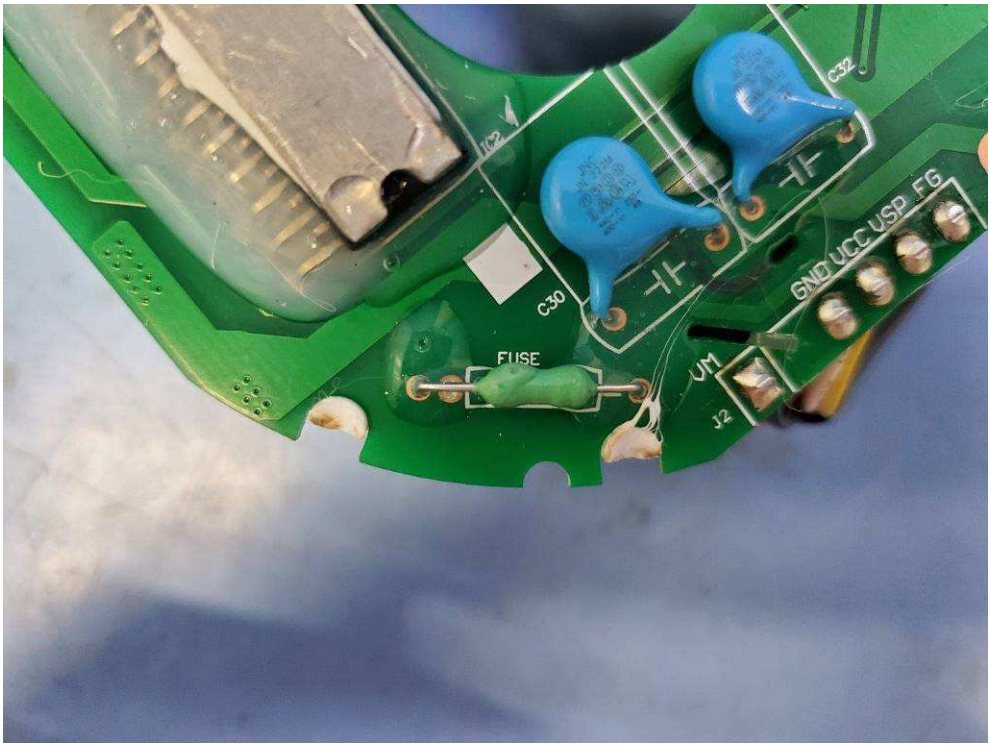


Motor model ZWF-75L

TEST REPORT

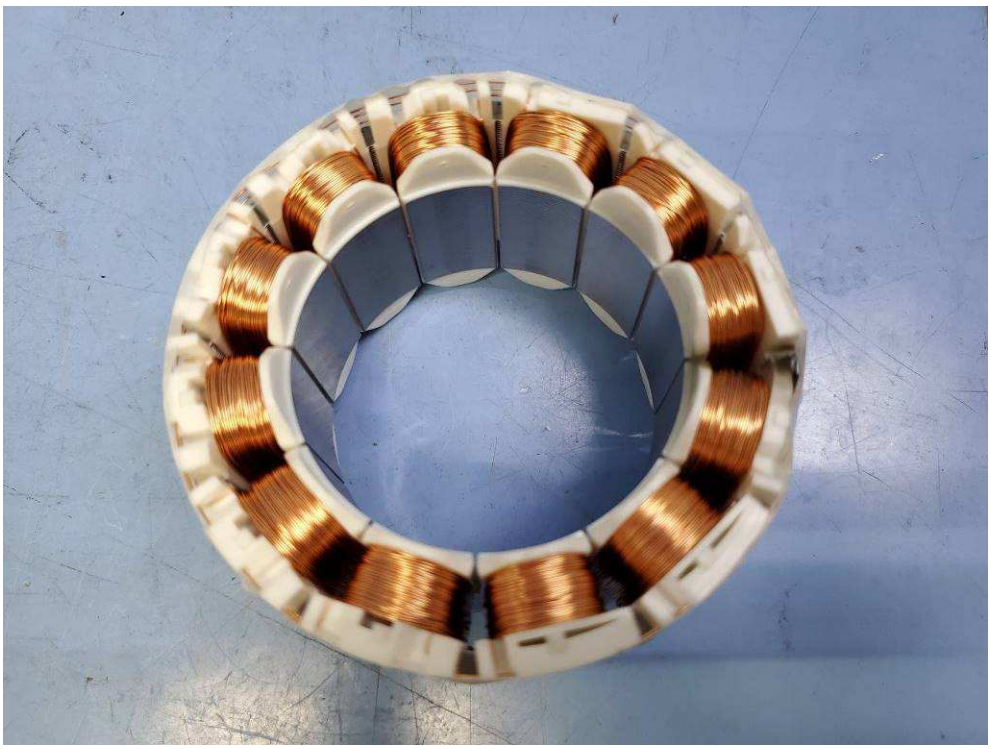


Motor model ZWF-75L

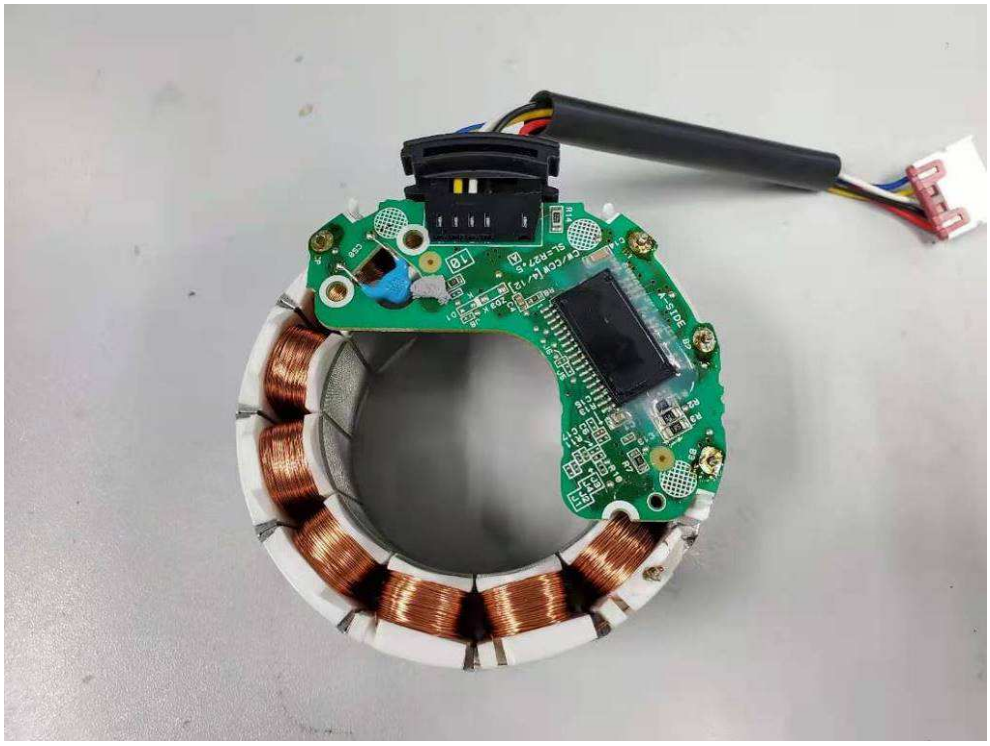


Motor model ZWF-75L

TEST REPORT

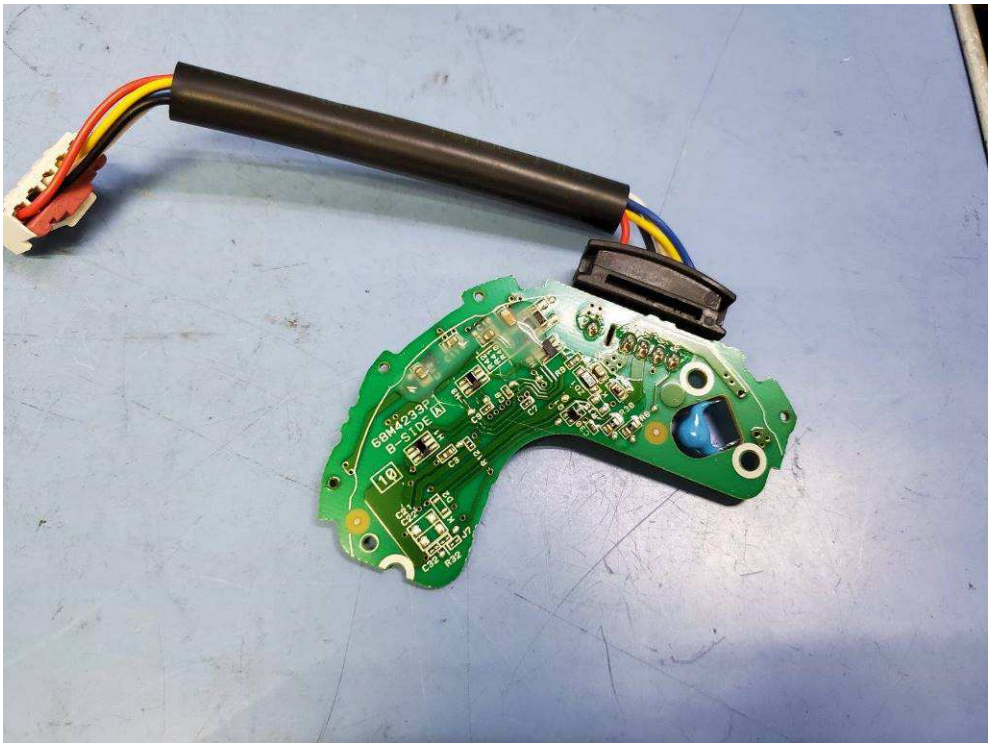


Motor model SIC-58CS-F185-1



Motor model SIC-58CS-F185-1

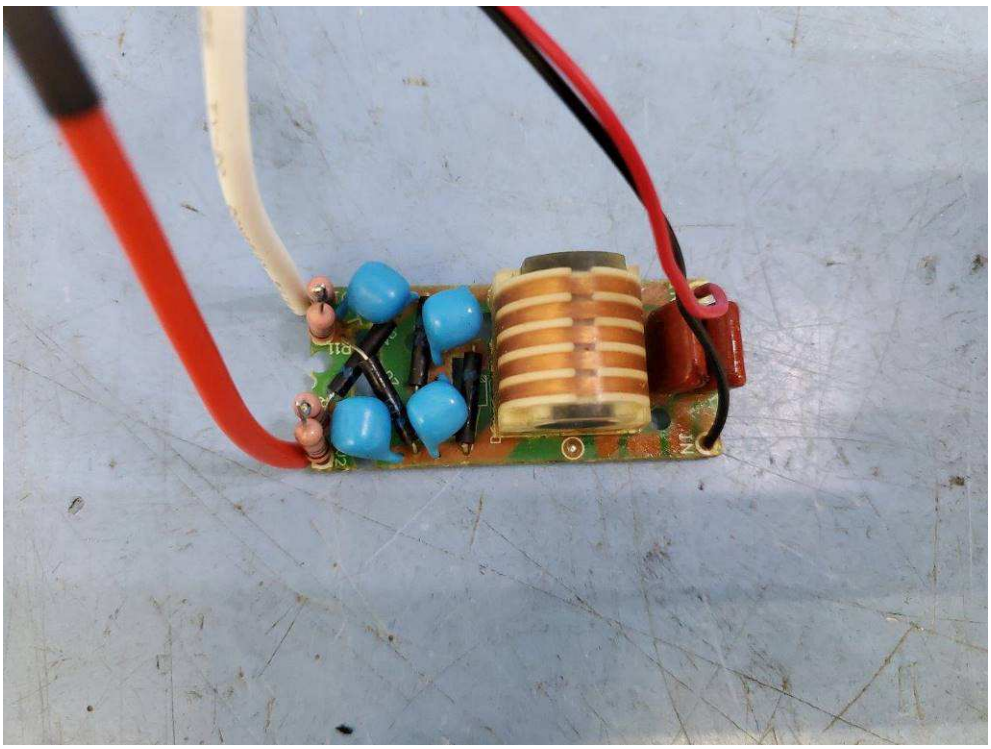
TEST REPORT



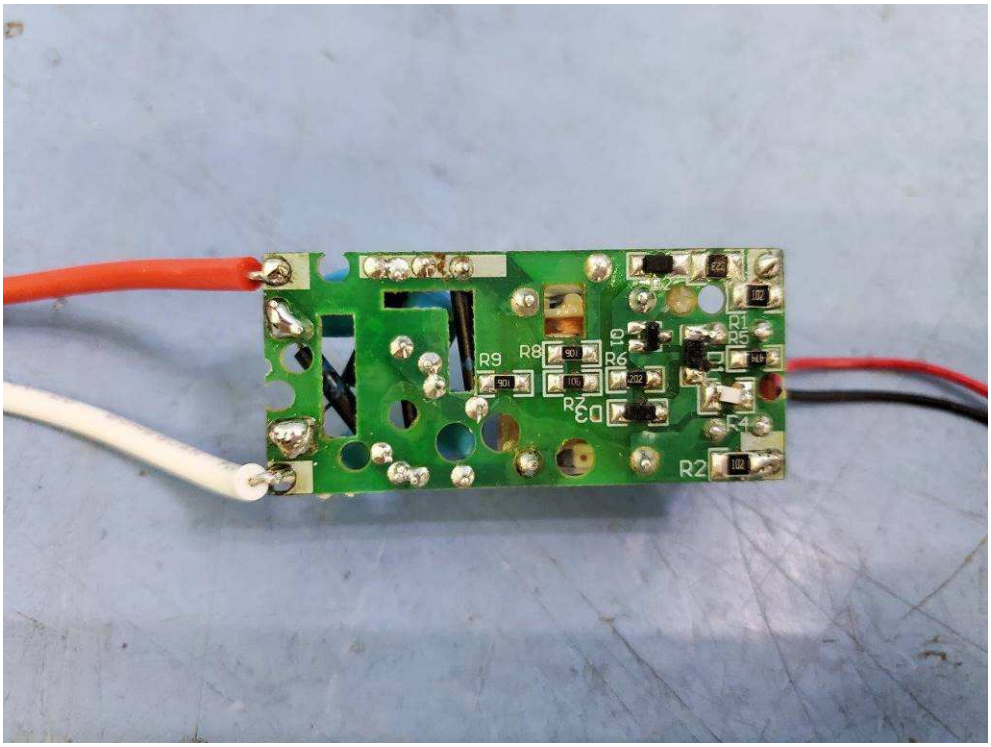
Motor model SIC-58CS-F185-1

Plasma generator for model DS-S800, DS-X1000N-A and DS-X1000W

TEST REPORT



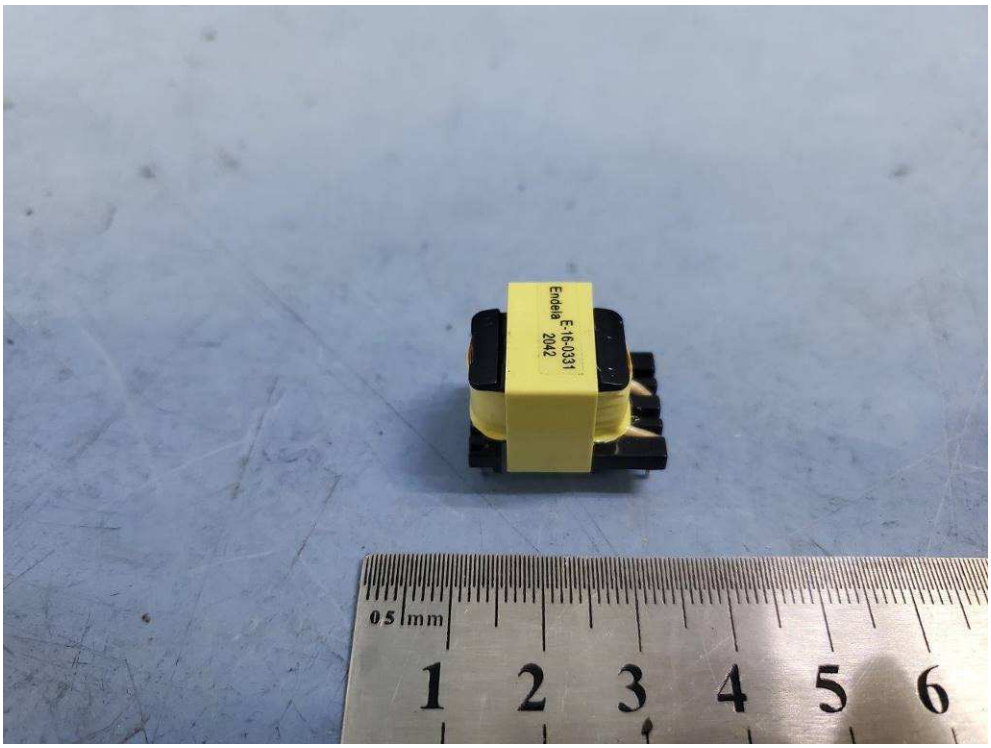
Plasma generator for model DS-S800, DS-X1000N-A and DS-X1000W

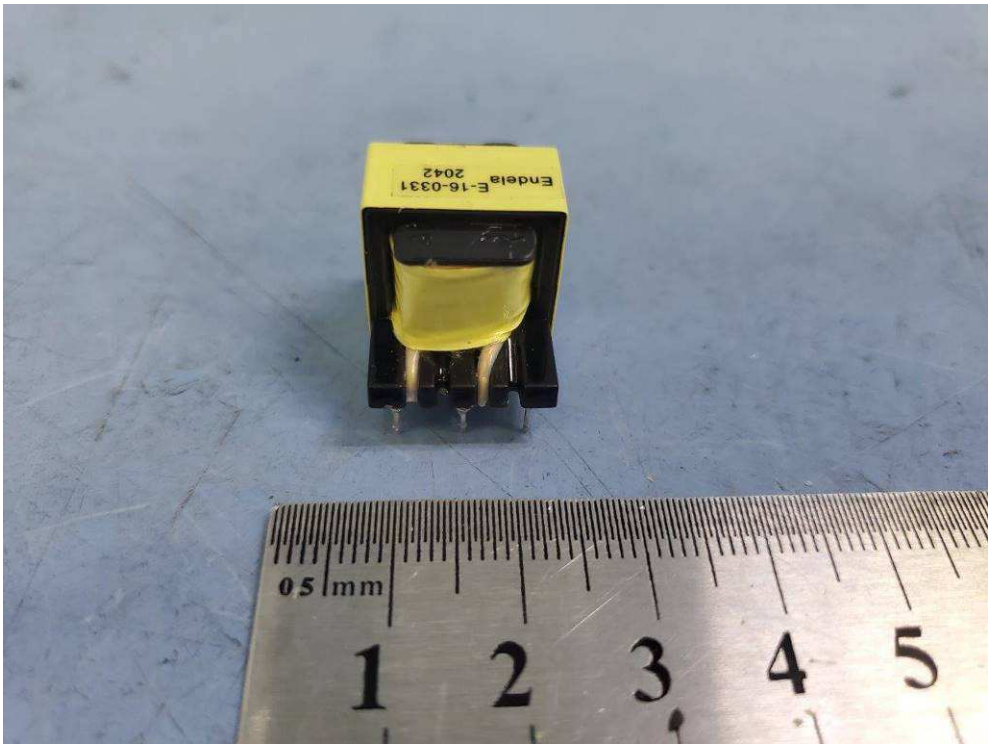


Plasma generator for model DS-S800, DS-X1000N-A and DS-X1000W

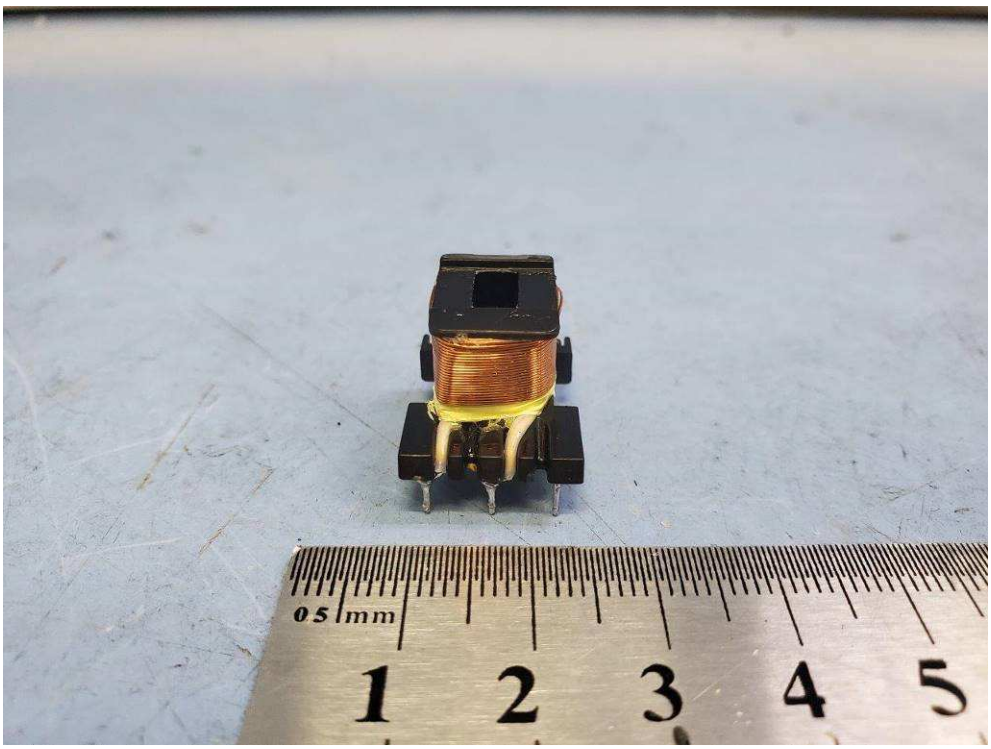
TEST REPORT

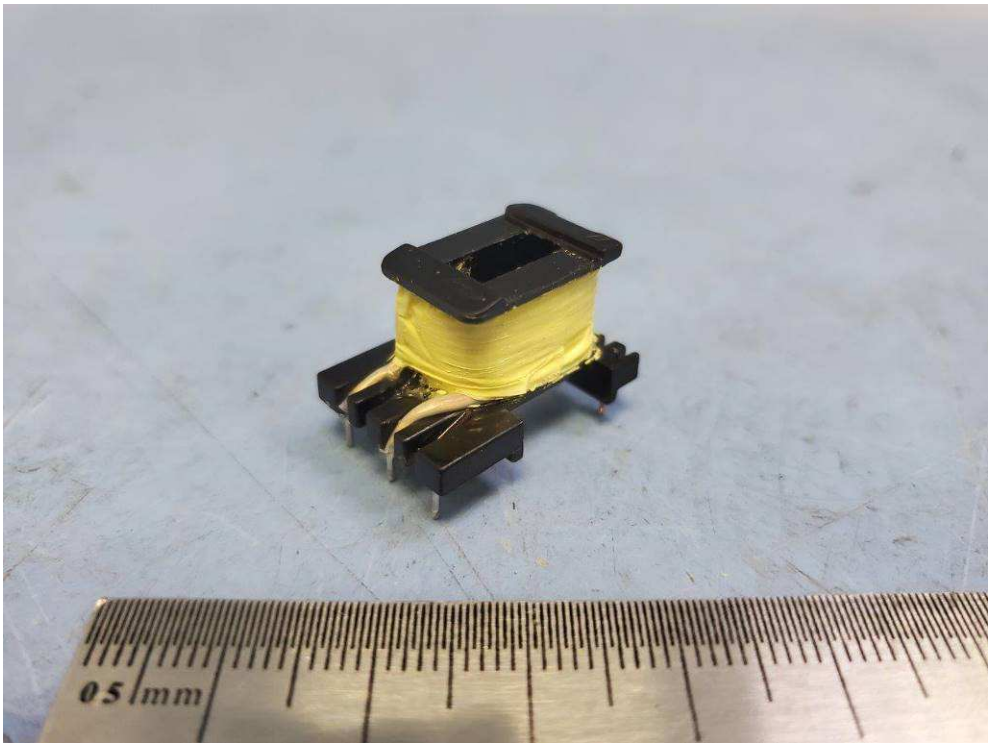
Below photo for DS-S800, DS-X1000N-A and DS-X1000W transformer on Main PCB:



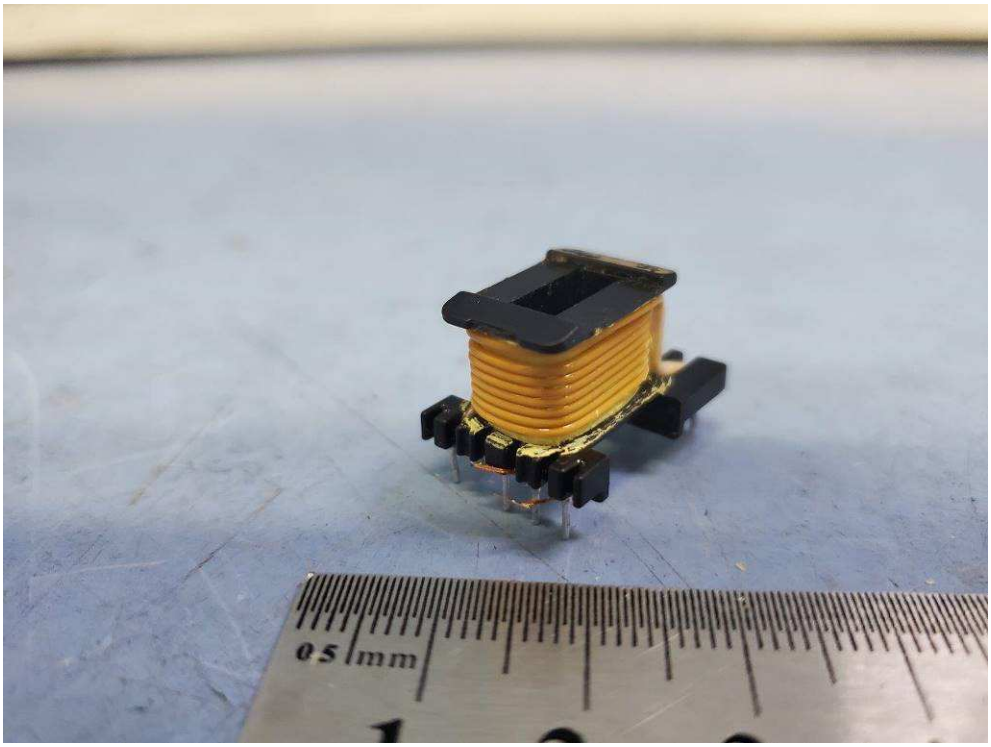


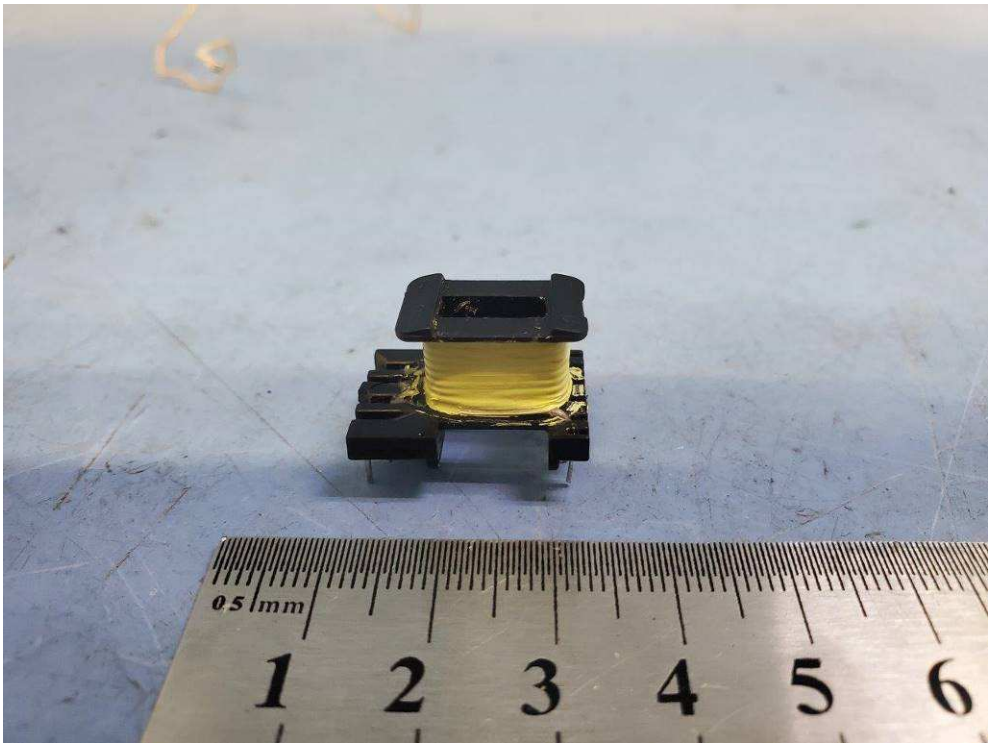
TEST REPORT



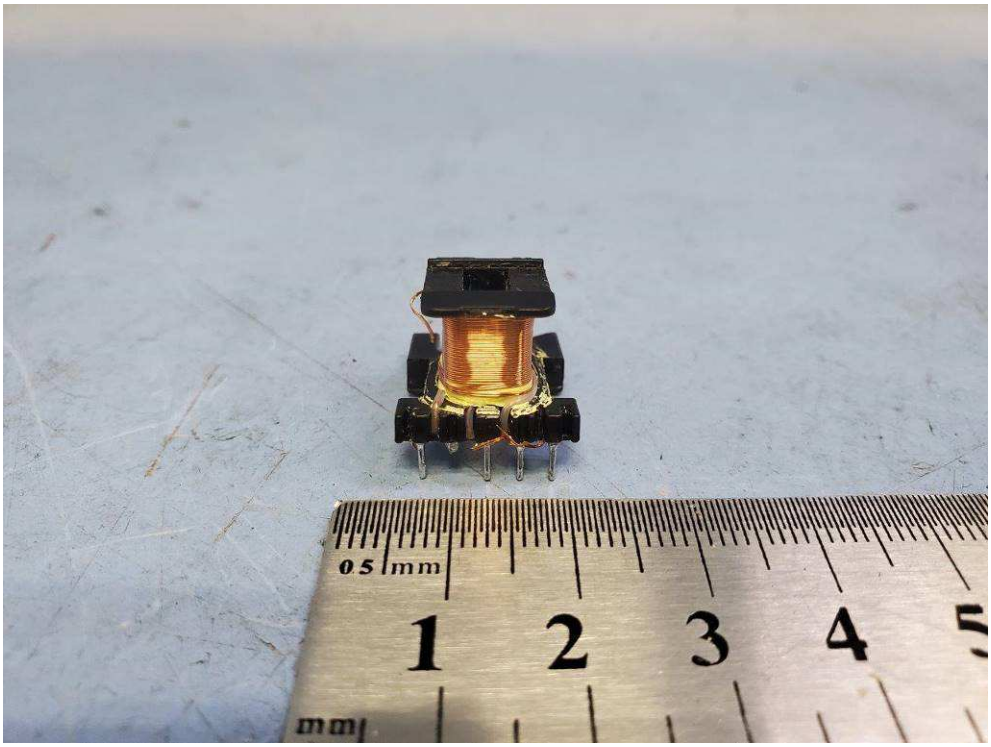


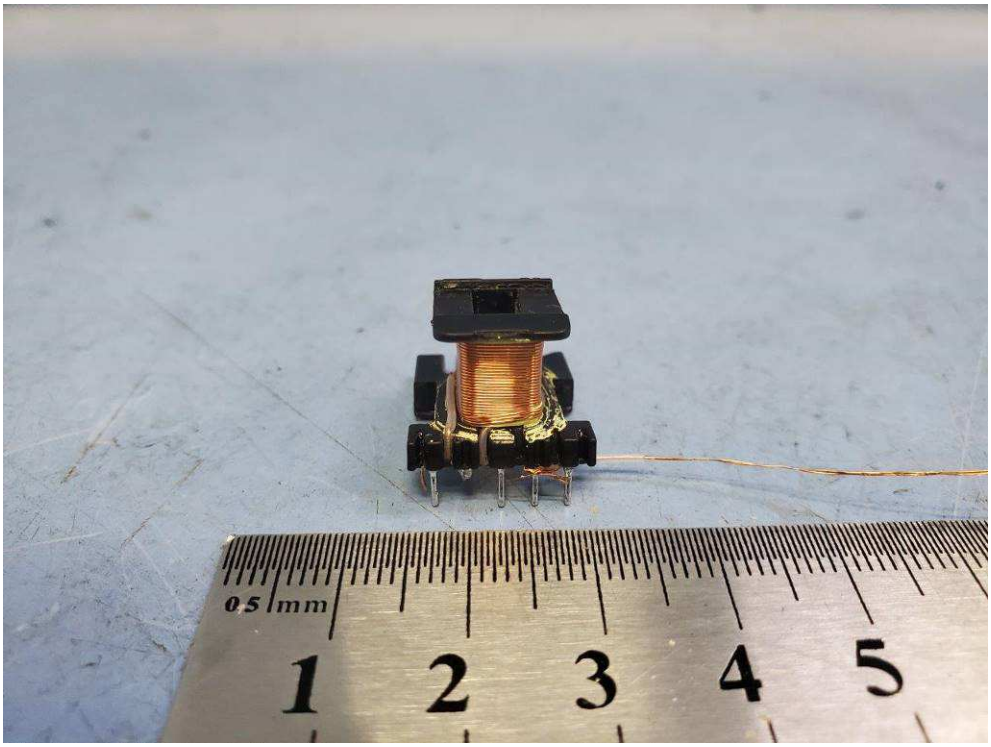
TEST REPORT





TEST REPORT





**********End of Report**********