




TEST REPORT N°: BXKV-ESH-P25101249B
EMC TEST REPORT

Applicant :	ZhiYin(Ningbo) Electrical Appliance Co., Ltd.
Address :	No.17 West section of West Street, West District of Industrial Park, Guanhaiwei Town, Cixi, Ningbo, Zhejiang Province, China.
Manufacturer :	ZhiYin(Ningbo) Electrical Appliance Co., Ltd.
Address :	No.17 West section of West Street, West District of Industrial Park, Guanhaiwei Town, Cixi, Ningbo, Zhejiang Province, China.
Factory :	ZhiYin(Ningbo) Electrical Appliance Co., Ltd.
Address :	No.17 West section of West Street, West District of Industrial Park, Guanhaiwei Town, Cixi, Ningbo, Zhejiang Province, China.
This document includes : 62 pages	

Product :	Air cooler	
Model name :	KFT2001J, KFT2001D, KFT2103J, KFT2103D, KFT2407J, KFT2407D, KFT2605D, KFT2605D-S, KFT2605J	
Trade mark :	--	
Rated voltage :	AC 220-240V, 50-60 Hz	
Rated input power :	80W	
Highest clock frequency :	≤15 MHz	
Protection class :	II	
Tests realised :	Refer to Clause 3.1	
Test date :	Oct.27 to 28, 2025	
Standards used (date) :	EN IEC 55014-1:2021 EN IEC 55014-2:2021 EN IEC 61000-3-2:2019+A1:2021+A2:2024 EN 61000-3-3:2013+A1:2019+A2:2021	
Clauses examined :	All Clauses Relevant.	

CONCLUSION :The sample does satisfy the clauses examined .

Test done by:	Approved by:
Name : Ade WANG <i>Ade Wang</i>	Name : Wen ZHU <i>Wen Zhu</i>
Date : Jan.06,2026	Date : Jan.06,2026

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Release control record

Report No.	Description	Date Issued
BXKV-ESH-P25101249B	Original release	2026-01-06

LCIE China Company Limited
必维欧亚电气技术咨询服务(上海)有限公司

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1 Summary of test results

No.	Item	Result
Emission part:		
1	Continuous disturbances	PASS
2	Magnetic field strength	NA
3	Disturbance power	PASS
4	Radiated disturbances electric field	PASS
5	Discontinuous disturbances	NA
6	Harmonic current emission	PASS
7	Voltage fluctuation and flicker	PASS
Immunity part:		
8	Electrostatic discharge	PASS
9	RF electromagnetic fields	NA
10	Fast transients	PASS
11	Surge	PASS
12	Injected current	PASS
13	Voltage dips	PASS



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2 General information of laboratory

2.1 Test facility

- Laboratory name:** LCIE China Company Limited
Testing location: Building C, No. 829, Xinzhuan Road, Shanghai, P.R.China (201612)
- The tests done in this report are subcontracted to :
Laboratory name: Ningbo Customs District Technology Center
Testing location: Block E3 & G1, Ningbo Qianwan Integrated Free Trade Zone, Ningbo, Zhejiang, China (Electric Testing Laboratory Qianwan Branch)

2.2 Measurement uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

This lab's measurement uncertainty U_{Lab}, is low than UC_{ispr} , Table 1 – Values of UC_{ispr} of CISPR 16-4-2, therefore compliance is deemed to occur if no measured disturbance exceeds the disturbance limit.

No.	Item	Measurement Uncertainty
1	Conducted Emission at mains port using AMN	2.64dB (9kHz to 150kHz)
		2.64dB (150kHz to 30MHz)
2	Conducted Emission at mains port using VP	1.82dB (150kHz to 30MHz)
3	Conducted Emission at telecommunication port using AAN	4.41dB (150kHz to 30MHz)
4	Radiated Power	3.40dB
5	Radiated emission	Horizontal: 4.54dB (30MHz-1GHz) Vertical: 4.68dB (30MHz-1GHz)
		Horizontal: 3.88 dB (1GHz-6GHz) Vertical: 4.00 dB (1GHz-6GHz)
6	Click	2.72dB (150kHz to 30MHz)
7	Harmonic Current Emissions	2.38%
8	Voltage Fluctuations and Flicker	2.38%



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3 General product information

3.1 Specification of product

Operating modes: Mode A: The apparatus was worked continuously.
 Mode B:
 Mode C:

Types of port: AC mains port
 auxiliary port
 wired network port
 fence port
 enclosure port

Special comments: All models are similar in working principle except the different see below list. So all EMC tests were performed models KFT2001D, KFT2103D, KFT2407D, KFT2605D, KFT2605D-S.

Model list:

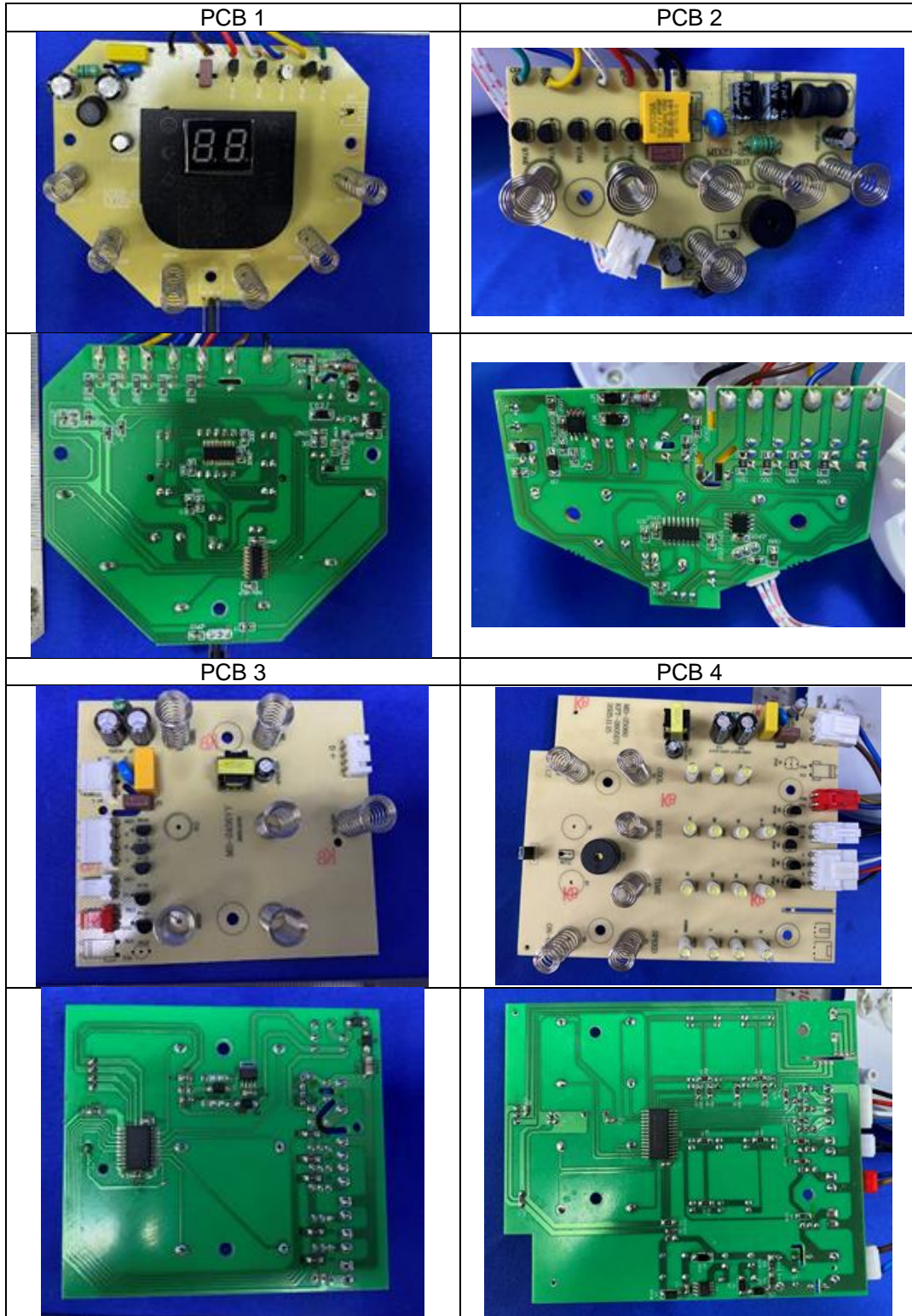
Model	Rated Power	Control type	Main board	Display board	Fan Motor
KFT2001J	80W	mechanical	--	--	YYHS-12-4
KFT2001D	80W	electronic	PCB 1	--	YYHS-12-4
KFT2103J	80W	mechanical	--	--	YYHS-12-4
KFT2103D	80W	electronic	PCB 2	PCB 1	YYHS-12-4
KFT2407J	80W	mechanical	--	--	YYHS-12-4
KFT2407D	80W	electronic	PCB 3	PCB 2	YYHS-12-4
KFT2605J	80W	mechanical	--	--	YYHS-12-4
KFT2605D	80W	electronic	PCB 4	--	YYHS-12-4
KFT2605D-S	80W	electronic	PCB 5	PCB 3	YYHS-12-4



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Main board:

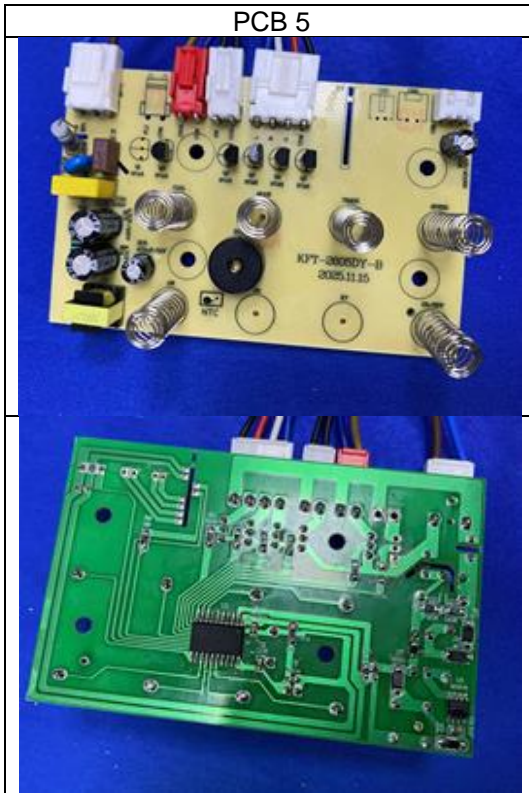




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PCB 5

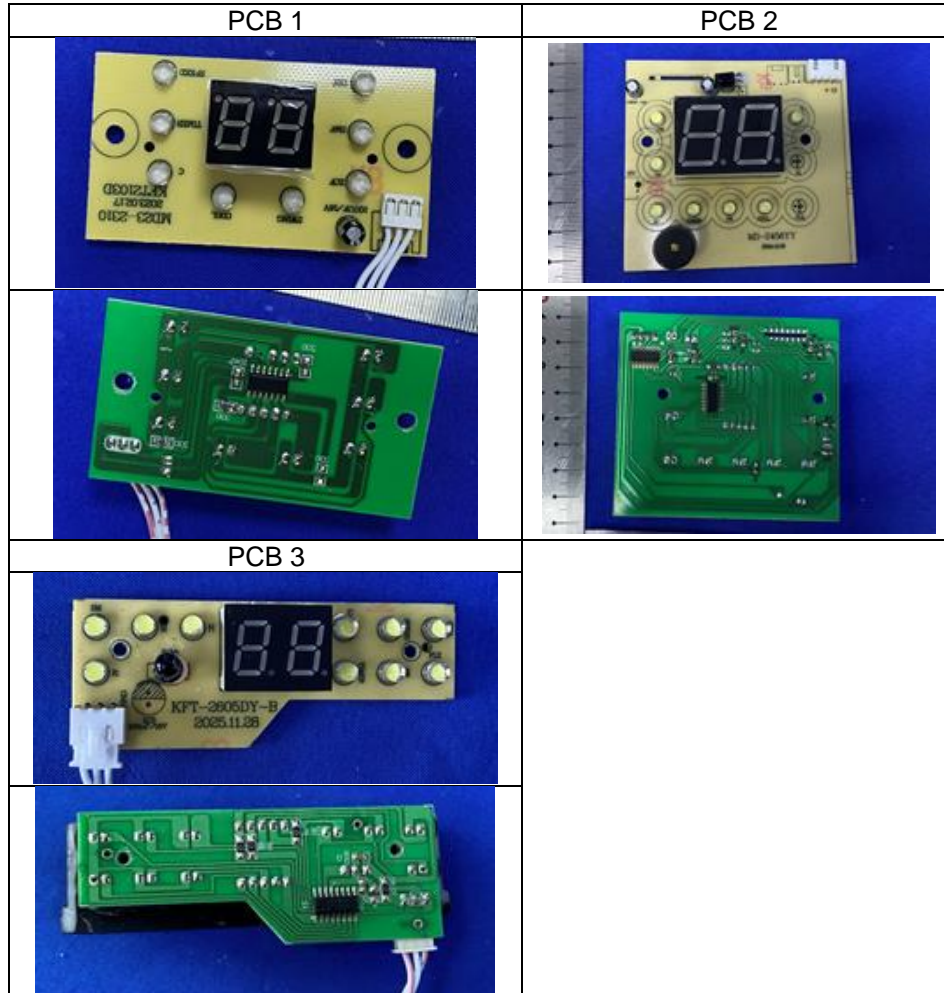




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Display board:



3.2 Description of auxiliary equipment and associated equipment

N/A

3.3 Operation conditions

The EUT operating and testing at below conditions:

Ambient conditions:	Temperature	:	22-28 °C
	Relative humidity	:	43-57 %
	Atmospheric pressure	:	101 kPa

3.4 Photograph of sample

Refer to Appendix A

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4 Test procedure and results for emission

4.1 Continuous disturbances, AC mains port (150 kHz – 30 MHz)

4.1.1 Test condition

Applicable Standard:	EN IEC 55014-1:2021	
Applied limit class:	<input type="checkbox"/>	Table 2 (Equipment with active IPT function which are 100 V rated and without an earth connection); AC mains port
	<input type="checkbox"/>	Table 2 (Equipment with active IPT function; Other appliances); AC mains port
	<input checked="" type="checkbox"/>	Table 5 (Columns 2 and 3); AC mains port
	<input type="checkbox"/>	Table 6 (Columns 2 and 3); AC mains port; $P \leq 700 \text{ W}$
	<input type="checkbox"/>	Table 6 (Columns 4 and 5); AC mains port; $700 \text{ W} < P \leq 1000 \text{ W}$
	<input type="checkbox"/>	Table 6 (Columns 6 and 7); AC mains port; $P > 1000 \text{ W}$
	<input type="checkbox"/>	Other: --
Test setup description:	<input type="checkbox"/>	Setup Type A (40 cm distance to vertical ground plane, 80 cm over ground plane)
	<input type="checkbox"/>	Setup Type B (40 cm distance to horizontal ground plane)
	<input checked="" type="checkbox"/>	Floor standing equipment setup (10 cm over ground plane)
	<input type="checkbox"/>	Other: --
	<input type="checkbox"/>	Artificial hand applied
Test method applied:	<input checked="" type="checkbox"/>	Artificial mains network
	<input type="checkbox"/>	Other: --
Remark:	--	



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Limits for AC mains port of equipment with active IPT functions				
Frequency range (MHz)	Appliances which are 100 V rated and without an earth connection		All other appliances	
	Quasi-peak (dBμV)	Average (dBμV)	Quasi-peak (dBμV)	Average (dBμV)
0.009-0.05	122	-	110	-
0.05-0.15	Decreasing linearly with logarithm of frequency from: 102-92	-	Decreasing linearly with logarithm of frequency from: 90-80	-
0.15-0.5	Decreasing linearly with logarithm of frequency from:			
	72-62	62-52	66-56	56-46
0.5-5	56	46	56	46
5-30	60	50	60	50

General limits		
Frequency range (MHz)	Quasi-peak (dBμV)	Average (dBμV)
0.15-0.5	Decreasing linearly with logarithm of frequency from:	
	66-56	59-46
0.5-5	56	46
5-30	60	50

Tools						
Frequency range (MHz)	P \leq 700 W		700 W < P \leq 1000		P > 1000 W	
	Quasi-peak (dBμV)	Average (dBμV)	Quasi-peak (dBμV)	Average (dBμV)	Quasi-peak (dBμV)	Average (dBμV)
0.15-0.35	Decreasing linearly with logarithm of frequency from:					
	66-59	59-49	70-63	63-53	76-69	69-59
0.35-5	59	49	63	53	69	59
5-30	64	54	68	58	74	64

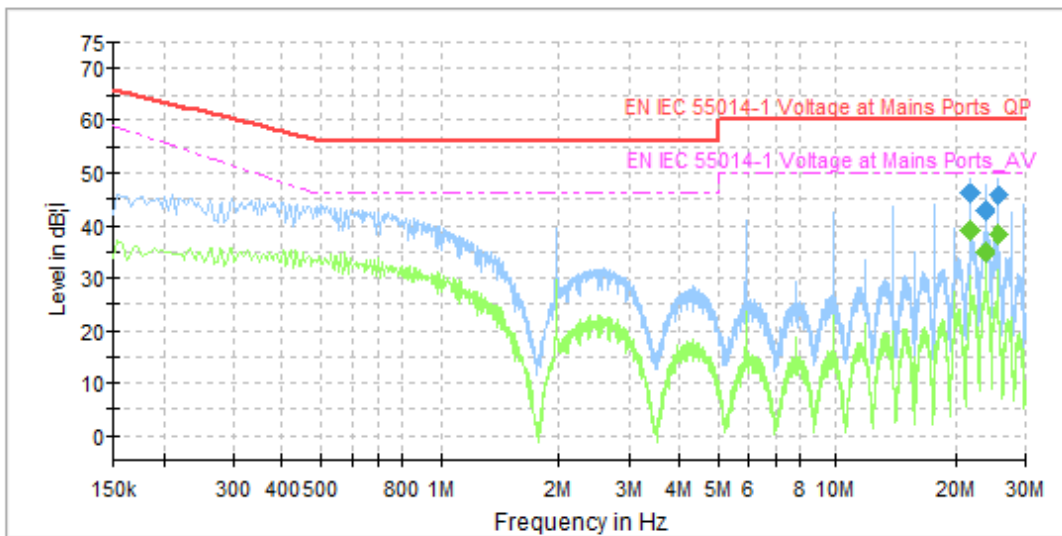


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4.1.2 Test results

Model:	KFT2001D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
21.694000	---	39.17	50.00	10.83	1000.0	9.000	L1	OFF
21.702000	46.21	---	60.00	13.79	1000.0	9.000	L1	OFF
23.674000	42.63	---	60.00	17.37	1000.0	9.000	L1	OFF
23.674000	---	34.97	50.00	15.03	1000.0	9.000	L1	OFF
25.646000	45.70	---	60.00	14.30	1000.0	9.000	L1	OFF
25.646000	---	38.33	50.00	11.67	1000.0	9.000	L1	OFF

(continuation of the "Final_Result" table from column 14 ...)

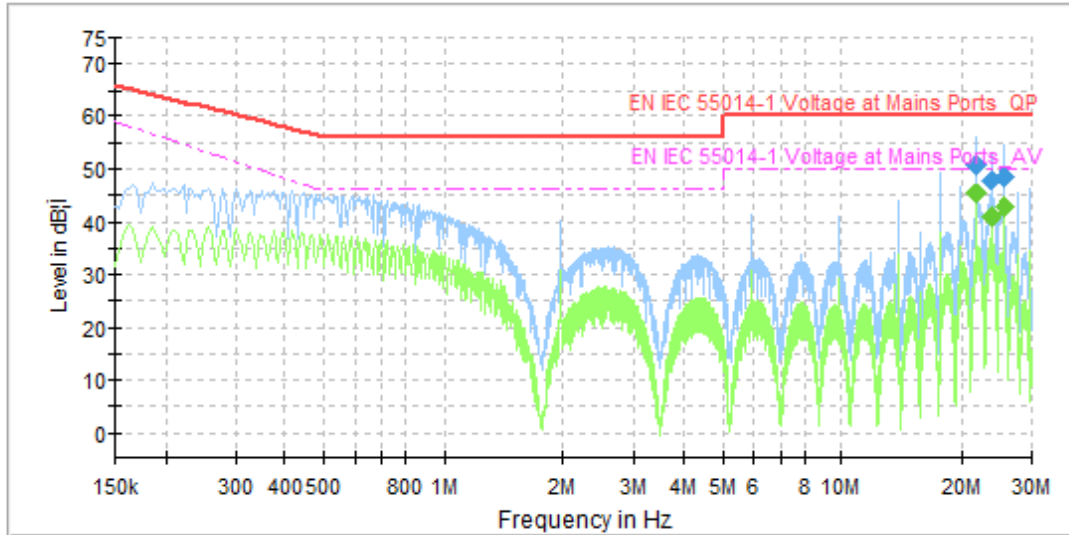
Frequency (MHz)	Corr. (dB)	Comment
21.694000	11.3	
21.702000	11.3	
23.674000	11.5	
23.674000	11.5	
25.646000	11.6	
25.646000	11.6	



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Model:	KFT2001D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
21.714000	---	45.54	50.00	4.46	1000.0	9.000	N	OFF
21.718000	50.98	---	60.00	9.02	1000.0	9.000	N	OFF
23.674000	48.08	---	60.00	11.92	1000.0	9.000	N	OFF
23.682000	---	40.80	50.00	9.20	1000.0	9.000	N	OFF
25.654000	---	42.89	50.00	7.11	1000.0	9.000	N	OFF
25.662000	48.85	---	60.00	11.15	1000.0	9.000	N	OFF

(continuation of the "Final_Result" table from column 14 ...)

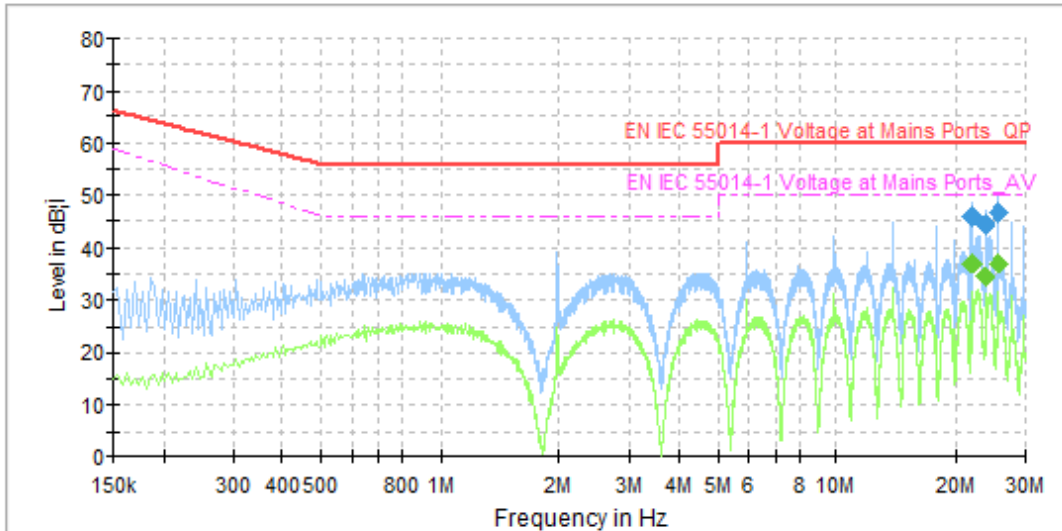
Frequency (MHz)	Corr. (dB)	Comment
21.714000	11.4	
21.718000	11.4	
23.674000	11.6	
23.682000	11.6	
25.654000	11.7	
25.662000	11.7	



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Model:	KFT2103D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
21.782000	46.01	---	60.00	13.99	1000.0	9.000	L1	OFF
21.782000	---	37.16	50.00	12.84	1000.0	9.000	L1	OFF
23.758000	44.32	---	60.00	15.68	1000.0	9.000	L1	OFF
23.762000	---	34.46	50.00	15.54	1000.0	9.000	L1	OFF
25.742000	46.65	---	60.00	13.35	1000.0	9.000	L1	OFF
25.742000	---	37.21	50.00	12.79	1000.0	9.000	L1	OFF

(continuation of the "Final_Result" table from column 14 ...)

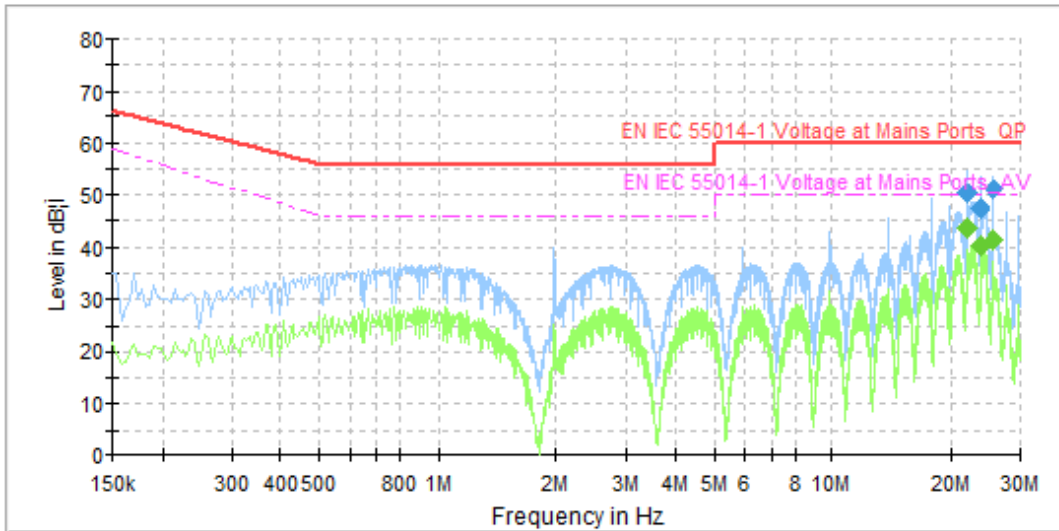
Frequency (MHz)	Corr. (dB)	Comment
21.782000	11.3	
21.782000	11.3	
23.758000	11.5	
23.762000	11.5	
25.742000	11.6	
25.742000	11.6	



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Model:	KFT2103D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
21.790000	50.51	---	60.00	9.49	1000.0	9.000	N	OFF
21.790000	---	43.52	50.00	6.48	1000.0	9.000	N	OFF
23.770000	---	40.46	50.00	9.54	1000.0	9.000	N	OFF
23.774000	47.46	---	60.00	12.54	1000.0	9.000	N	OFF
25.750000	50.95	---	60.00	9.05	1000.0	9.000	N	OFF
25.750000	---	41.66	50.00	8.34	1000.0	9.000	N	OFF

(continuation of the "Final_Result" table from column 14 ...)

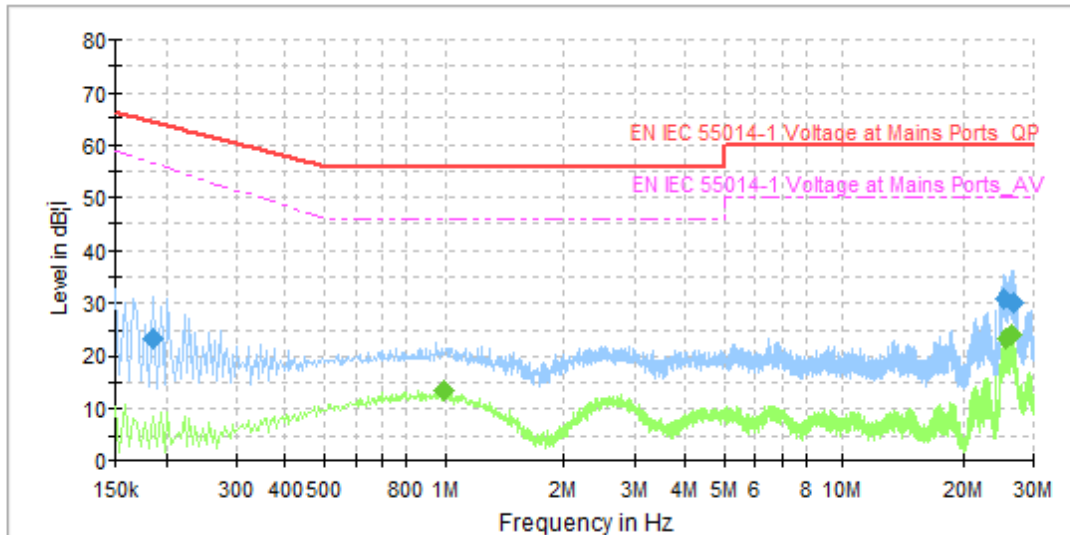
Frequency (MHz)	Corr. (dB)	Comment
21.790000	11.4	
21.790000	11.4	
23.770000	11.6	
23.774000	11.6	
25.750000	11.7	
25.750000	11.7	



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Model:	KFT2407D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
0.186000	23.35	---	64.21	40.86	1000.0	9.000	L1	OFF
0.998000	---	13.33	46.00	32.67	1000.0	9.000	L1	OFF
25.450000	30.87	---	60.00	29.13	1000.0	9.000	L1	OFF
25.498000	---	23.42	50.00	26.58	1000.0	9.000	L1	OFF
26.514000	---	23.96	50.00	26.04	1000.0	9.000	L1	OFF
26.682000	29.94	---	60.00	30.06	1000.0	9.000	L1	OFF

(continuation of the "Final_Result" table from column 14 ...)

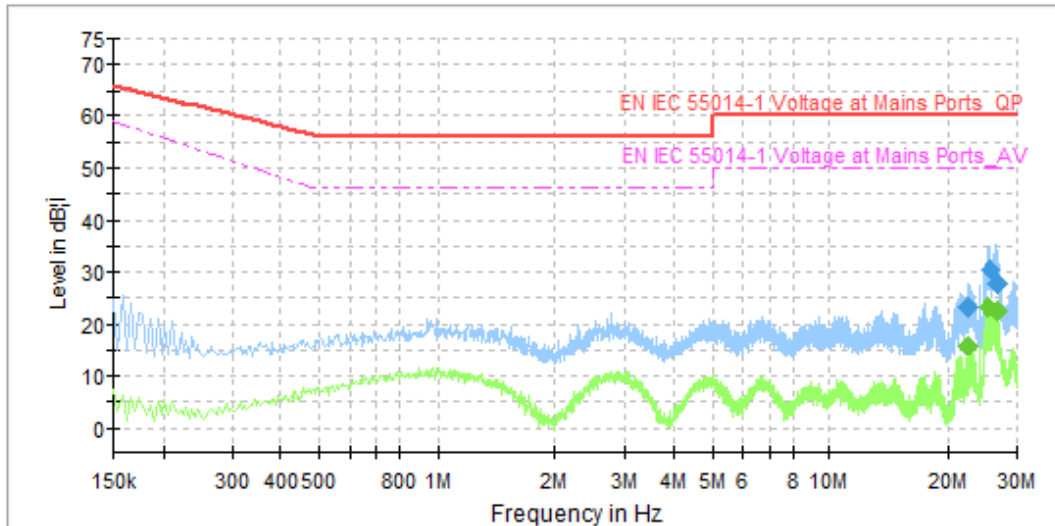
Frequency (MHz)	Corr. (dB)	Comment
0.186000	10.2	
0.998000	10.3	
25.450000	11.6	
25.498000	11.6	
26.514000	11.6	
26.682000	11.6	



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Model:	KFT2407D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
22.502000	---	15.69	50.00	34.31	1000.0	9.000	N	OFF
22.506000	23.08	---	60.00	36.92	1000.0	9.000	N	OFF
25.458000	---	23.03	50.00	26.97	1000.0	9.000	N	OFF
25.522000	30.65	---	60.00	29.35	1000.0	9.000	N	OFF
26.682000	27.74	---	60.00	32.26	1000.0	9.000	N	OFF
26.682000	---	22.53	50.00	27.47	1000.0	9.000	N	OFF

(continuation of the "Final_Result" table from column 14 ...)

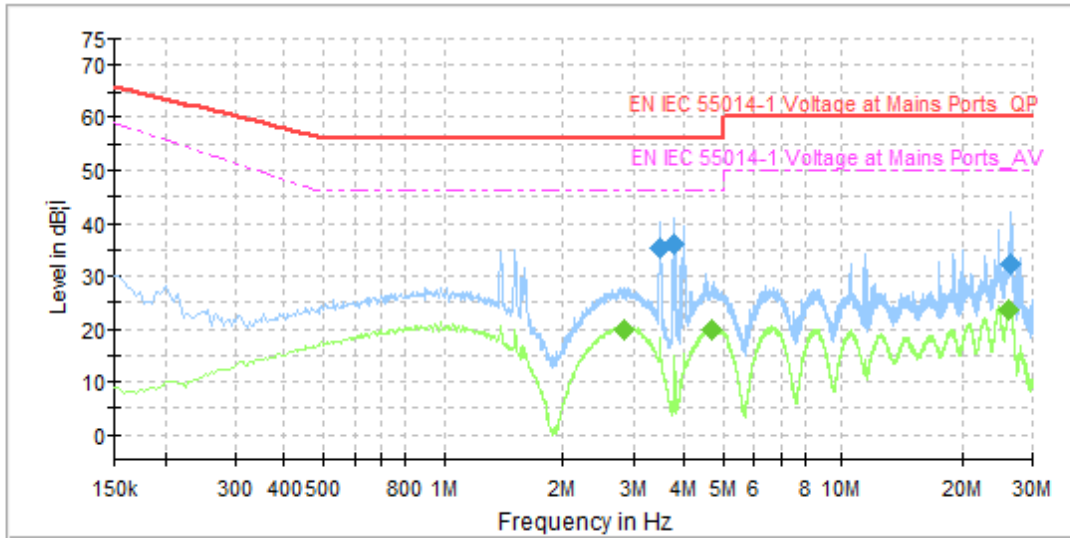
Frequency (MHz)	Corr. (dB)	Comment
22.502000	11.4	
22.506000	11.4	
25.458000	11.7	
25.522000	11.7	
26.682000	11.7	
26.682000	11.7	



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Model:	KFT2605D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
2.838000	---	19.84	46.00	26.16	1000.0	9.000	L1	OFF
3.510000	35.23	---	56.00	20.77	1000.0	9.000	L1	OFF
3.794000	35.93	---	56.00	20.07	1000.0	9.000	L1	OFF
4.666000	---	19.71	46.00	26.29	1000.0	9.000	L1	OFF
26.290000	---	23.50	50.00	26.50	1000.0	9.000	L1	OFF
26.570000	32.37	---	60.00	27.63	1000.0	9.000	L1	OFF

(continuation of the "Final_Result" table from column 14 ...)

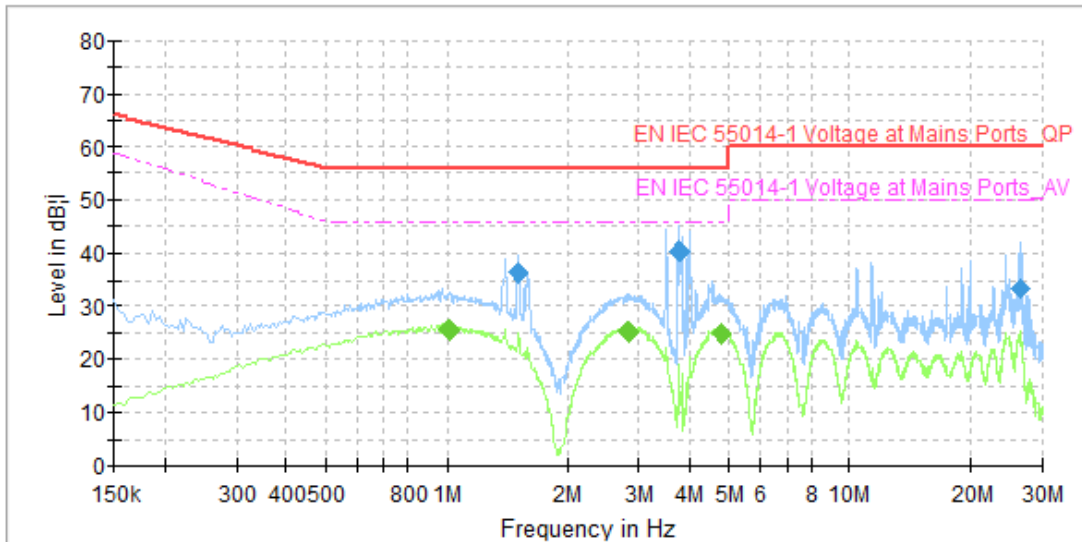
Frequency (MHz)	Corr. (dB)	Comment
2.838000	10.4	
3.510000	10.4	
3.794000	10.4	
4.666000	10.5	
26.290000	11.6	
26.570000	11.6	



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Model:	KFT2605D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
1.010000	---	25.62	46.00	20.38	1000.0	9.000	N	OFF
1.506000	36.12	---	56.00	19.88	1000.0	9.000	N	OFF
2.814000	---	25.23	46.00	20.77	1000.0	9.000	N	OFF
3.794000	40.54	---	56.00	15.46	1000.0	9.000	N	OFF
4.770000	---	24.85	46.00	21.15	1000.0	9.000	N	OFF
26.566000	33.15	---	60.00	26.85	1000.0	9.000	N	OFF

(continuation of the "Final_Result" table from column 14 ...)

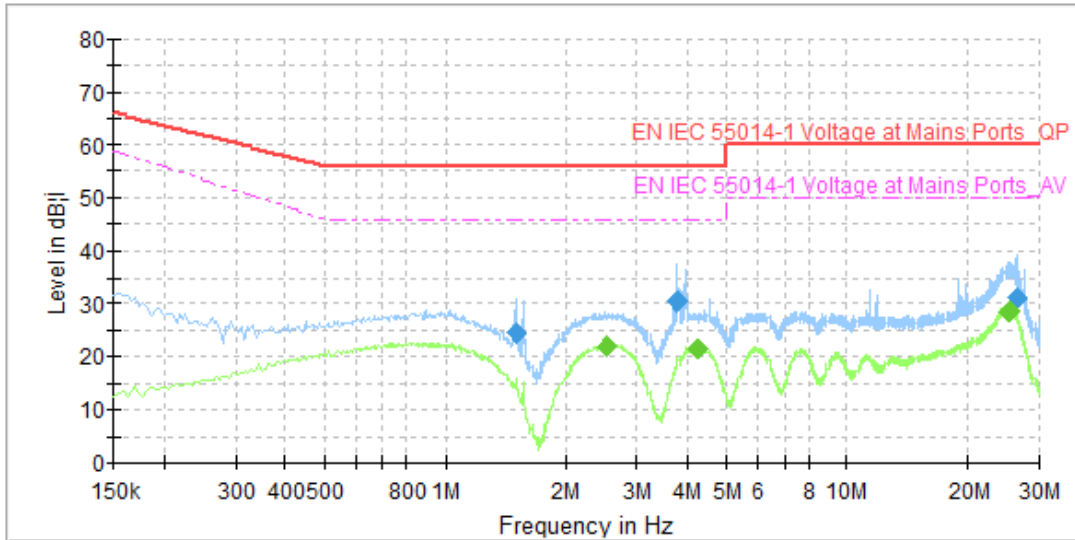
Frequency (MHz)	Corr. (dB)	Comment
1.010000	10.2	
1.506000	10.2	
2.814000	10.3	
3.794000	10.4	
4.770000	10.5	
26.566000	11.7	



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2605D-S
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
1.498000	24.29	---	56.00	31.71	1000.0	9.000	L1	OFF
2.538000	---	21.84	46.00	24.16	1000.0	9.000	L1	OFF
3.802000	30.37	---	56.00	25.63	1000.0	9.000	L1	OFF
4.242000	---	21.48	46.00	24.52	1000.0	9.000	L1	OFF
25.246000	---	28.45	50.00	21.55	1000.0	9.000	L1	OFF
26.550000	30.93	---	60.00	29.07	1000.0	9.000	L1	OFF

(continuation of the "Final_Result" table from column 14 ...)

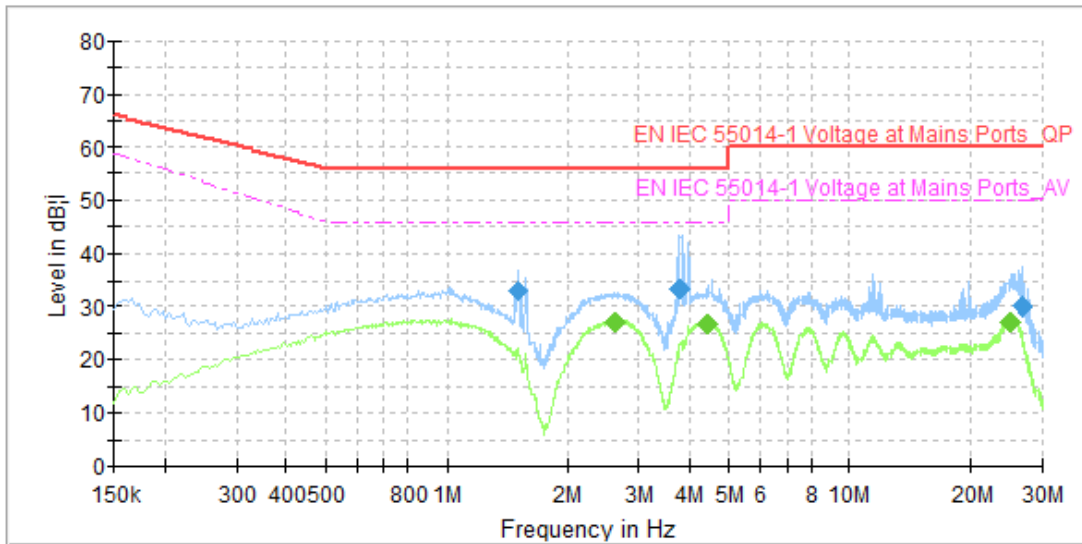
Frequency (MHz)	Corr. (dB)	Comment
1.498000	10.3	
2.538000	10.4	
3.802000	10.4	
4.242000	10.4	
25.246000	11.6	
26.550000	11.6	



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2605D-S
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Final Result

Frequency (MHz)	QuasiPeak (dB µV)	CAverage (dB µV)	Limit (dB µ)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter
1.510000	33.10	---	56.00	22.90	1000.0	9.000	N	OFF
2.626000	---	26.96	46.00	19.04	1000.0	9.000	N	OFF
3.802000	33.41	---	56.00	22.59	1000.0	9.000	N	OFF
4.434000	---	26.56	46.00	19.44	1000.0	9.000	N	OFF
25.054000	---	26.92	50.00	23.08	1000.0	9.000	N	OFF
26.658000	30.00	---	60.00	30.00	1000.0	9.000	N	OFF

(continuation of the "Final_Result" table from column 14 ...)

Frequency (MHz)	Corr. (dB)	Comment
1.510000	10.2	
2.626000	10.3	
3.802000	10.4	
4.434000	10.5	
25.054000	11.7	
26.658000	11.7	



TEST REPORT N°: BXKV-ESH-P25101249B

4.2 Continuous disturbances, Auxiliary port (150 kHz – 30 MHz)

4.2.1 Test condition

Applicable Standard:	EN IEC 55014-1:2021	
Applied limit class:	<input type="checkbox"/>	Table 5 (Columns 4 and 5); Auxiliary port; Disturbance voltage
	<input type="checkbox"/>	Table 5 (Columns 6 and 7); Auxiliary port; Disturbance current
	<input type="checkbox"/>	Wired Network port according to CISPR 32 class B
	<input type="checkbox"/>	Other: --
Test setup description:	<input type="checkbox"/>	Setup Type A (40 cm distance to vertical ground plane, 80 cm over ground plane)
	<input type="checkbox"/>	Setup Type B (40 cm distance to horizontal ground plane)
	<input type="checkbox"/>	Floor standing equipment setup (10 cm over ground plane)
	<input type="checkbox"/>	Other: --
	<input type="checkbox"/>	Artificial hand applied
Test method applied:	<input type="checkbox"/>	Voltage probe
	<input type="checkbox"/>	Current probe according to CISPR 14-1
	<input type="checkbox"/>	Wired network port: CDN according to IEC 61000-4-6
	<input type="checkbox"/>	Wired network port: Current probe and capacitive voltage probe (CVP)
	<input type="checkbox"/>	Wired network port: ISN
	<input type="checkbox"/>	Wired network port (Shielded): 150 Ohm and current probe
	<input type="checkbox"/>	Artificial mains network used as voltage probe
	<input type="checkbox"/>	Other: --
Remark:	--	

Limits for auxiliary port				
Frequency range (MHz)	Disturbance voltage		Disturbance current	
	Quasi-peak (dBµV)	Average (dBµV)	Quasi-peak (dBµA)	Average (dBµA)
0.15-0.5	80	70	Decreasing linearly with logarithm of frequency from:	
			40-30	30-20
0.5-5	74	64	30	20
5-30	74	64		

4.2.2 Test results

N/A



TEST REPORT N°: BXKV-ESH-P25101249B

4.3 Magnetic field strength (9 kHz – 30 MHz)

4.3.1 Test condition

Applicable Standard:	EN IEC 55014-1:2021	
Applied limit class:	<input type="checkbox"/>	Table 3; Magnetic field; Equipment with active IPT function
	<input type="checkbox"/>	Table 4; Magnetic field induced current; Equipment with active IPT function be fully encompassed by an imaginary sphere having a diameter less than or equal to 1.6 m
	<input type="checkbox"/>	Other: --
Test set up description:	<input type="checkbox"/>	Equipment on a table of 80 cm height
	<input type="checkbox"/>	Equipment on the floor (isolated from ground plane)
	<input type="checkbox"/>	Other: --
Test method applied:	<input type="checkbox"/>	3 m distance, 0.6 m small loop antenna
	<input type="checkbox"/>	2 m large loop antenna system (LLAS)
	<input type="checkbox"/>	Other: --
Remark:	--	

Limits		
Magnetic field strength limits		
Frequency range (MHz)	Quasi-peak (dBµA/m)	
0.009-0.07	69	
0.07-0.15	Decreasing linearly with logarithm of frequency from: 69-39	
0.15-4	Decreasing linearly with logarithm of frequency from: 39-3	
4-30	3	
Magnetic field induced current limits		
Frequency range (MHz)	Horizontal component Quasi-peak (dBµA)	Vertical component Quasi-peak (dBµA)
0.009-0.07	88	106
0.07 -0.15	Decreasing linearly with logarithm of frequency from:	
	88-58	106-76
0.15-3	Decreasing linearly with logarithm of frequency from:	
	58-22	76-40

4.3.2 Test results

N/A



TEST REPORT N°: BXKV-ESH-P25101249B

4.4 Disturbance power (30 MHz – 300 MHz)

4.4.1 Test condition

Applicable Standard:	EN IEC 55014-1:2021	
Applied limit class:	<input checked="" type="checkbox"/>	Table 7 (Columns 2 and 3); General
	<input type="checkbox"/>	Table 7 (Columns 4 and 5); Tools, Power ≤ 700 W
	<input type="checkbox"/>	Table 7 (Columns 6 and 7); Tools, 700 W < Power ≤ 1000 W
	<input type="checkbox"/>	Table 7 (Columns 8 and 9); Tools, Power > 1000 W
Test set up description:	<input type="checkbox"/>	Equipment on table of 80 cm height
	<input checked="" type="checkbox"/>	Equipment on support of 10 cm height
	<input type="checkbox"/>	Other: --
Supplementary test set-up description:	The distance between the clamp test set-up (the EUT, the mains lead and the absorbing clamp) and any other conductive objects (including persons, walls and ceiling, but excluding the floor) shall be at least 0,8 m. The EUT shall be placed on a non-metallic support parallel to the floor. The lead under test shall be placed in a straight line at a height of (0,8 ± 0,05) m from the floor for a length specified in 5.3.3.2.2.	
Conditions for exemption from measurements above 300 MHz:	<input checked="" type="checkbox"/>	1) the disturbance power emission from the EUT is lower than the limits of Table 7 reduced by the values of Table 8;
	<input checked="" type="checkbox"/>	2) the maximum clock frequency is less than 30 MHz
Remark:	The manufacturer chooses the disturbance power test method according to clause 4.3.4.2 in this standard.	

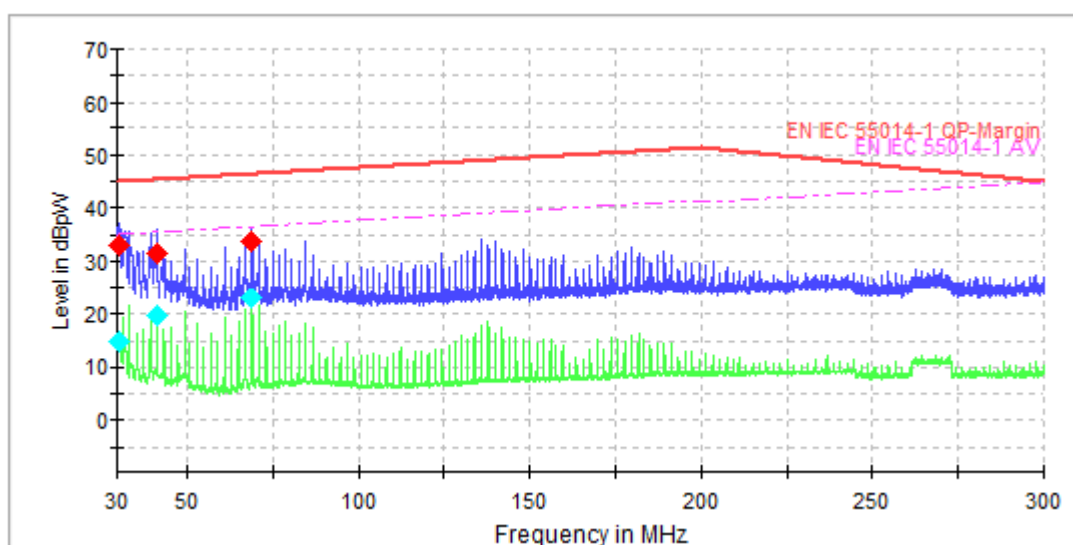
Limits						
General						
Frequency range (MHz)	Quasi-peak (dBpw)		Average (dBpw)			
30-300	Increasing linearly with the frequency from:					
	45-55		35-45			
Tools						
Frequency range (MHz)	P ≤ 700 W		700 W < P ≤ 1000		P > 1000 W	
	Quasi-peak (dBpw)	Average (dBpw)	Quasi-peak (dBpw)	Average (dBpw)	Quasi-peak (dBpw)	Average (dBpw)
30-300	Increasing linearly with the frequency from:					
	45-55	35-45	49-59	39-49	55-65	45-55



TEST REPORT N°: BXKV-ESH-P25101249B

4.4.2 Test results

Model:	KFT2001D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Limit and Margin-QP

Frequency (MHz)	QuasiPeak (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBpW)
30.720000	32.8	1000.0	120.000	7.9	12.2	45.0
41.440000	31.3	1000.0	120.000	7.6	14.1	45.4
69.080000	33.7	1000.0	120.000	6.6	12.7	46.4

Limit and Margin-CAV

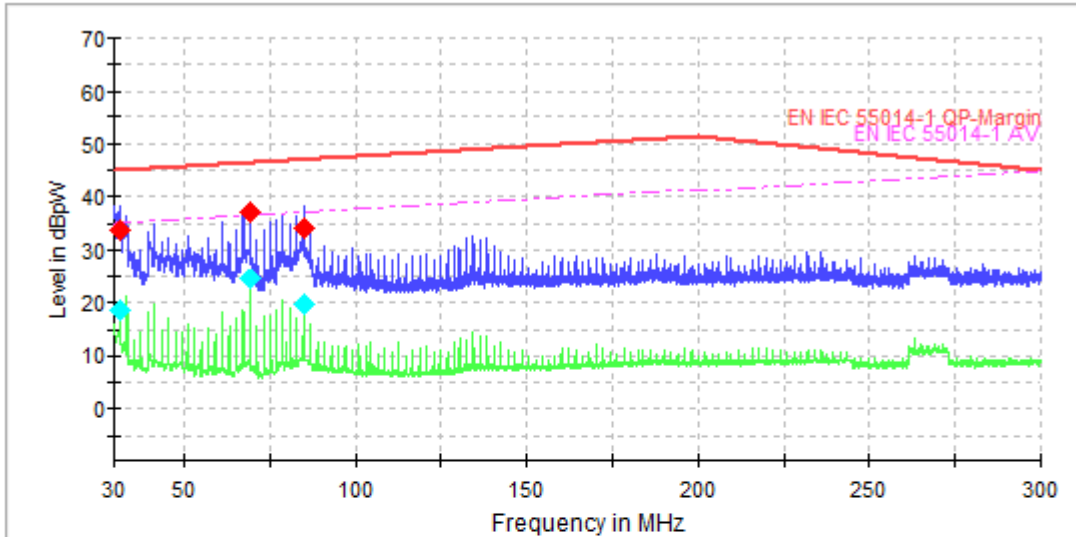
Frequency (MHz)	CAverage (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - CAV (dB)	Limit - CAV (dBpW)
30.720000	14.8	1000.0	120.000	7.9	20.2	35.0
41.440000	19.6	1000.0	120.000	7.6	15.8	35.4
69.080000	23.1	1000.0	120.000	6.6	13.3	36.4



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2103D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Limit and Margin-QP

Frequency (MHz)	QuasiPeak (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBpW)
31.680000	33.8	1000.0	120.000	7.9	11.3	45.1
69.320000	37.2	1000.0	120.000	6.6	9.3	46.5
85.200000	34.0	1000.0	120.000	7.5	13.0	47.0

Limit and Margin-CAV

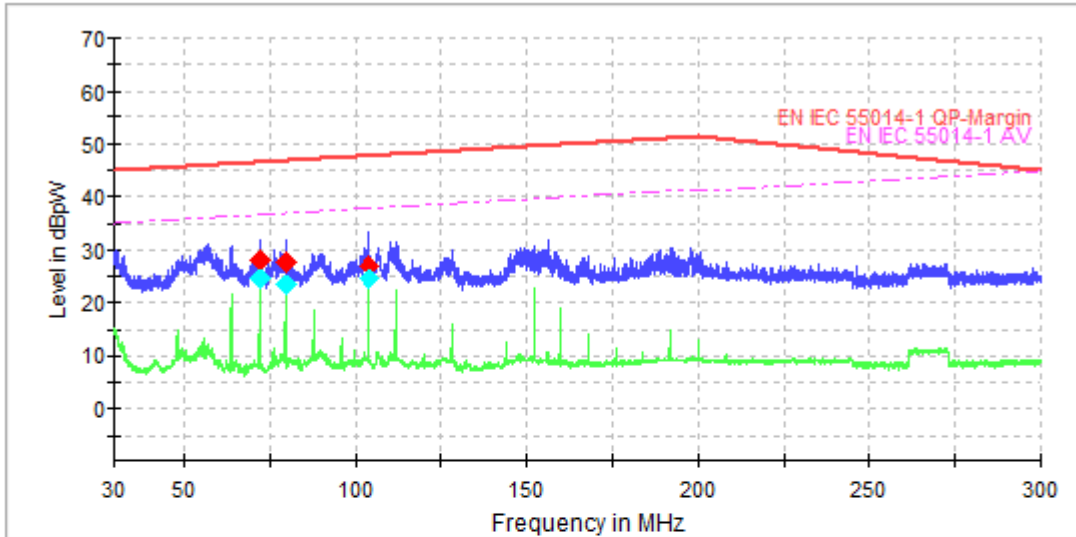
Frequency (MHz)	CAverage (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - CAV (dB)	Limit - CAV (dBpW)
31.680000	18.5	1000.0	120.000	7.9	16.6	35.1
69.320000	24.3	1000.0	120.000	6.6	12.2	36.5
85.200000	19.6	1000.0	120.000	7.5	17.4	37.0



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2407D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Limit and Margin-QP

Frequency (MHz)	QuasiPeak (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBpW)
72.040000	28.3	1000.0	120.000	6.7	18.3	46.6
80.000000	27.8	1000.0	120.000	7.3	19.1	46.9
104.040000	27.1	1000.0	120.000	6.8	20.6	47.7

Limit and Margin-CAV

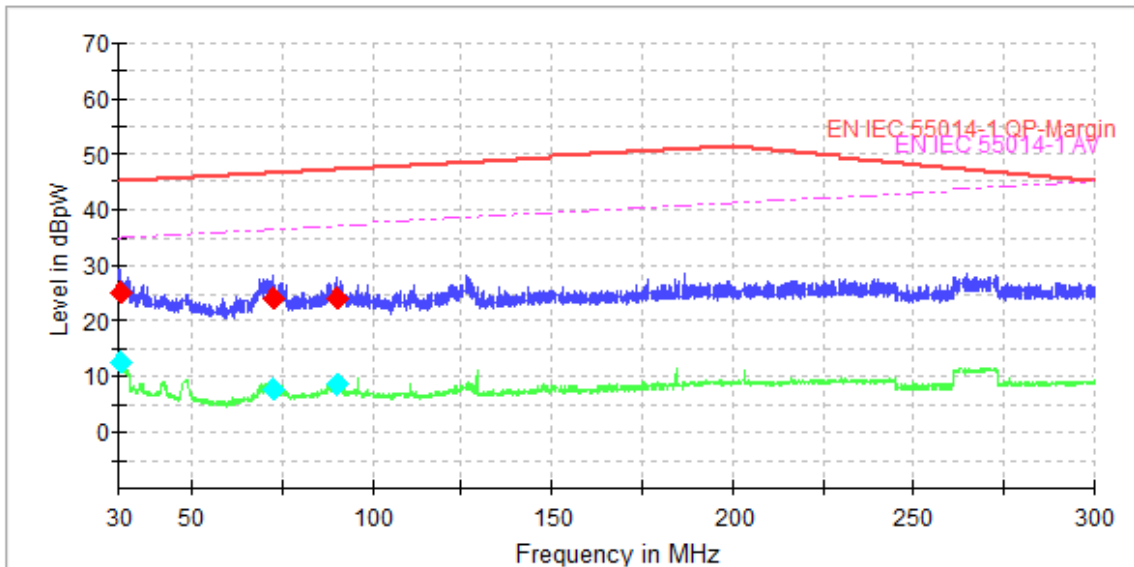
Frequency (MHz)	CAverage (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - CAV (dB)	Limit - CAV (dBpW)
72.040000	24.5	1000.0	120.000	6.7	12.1	36.6
80.000000	23.2	1000.0	120.000	7.3	13.7	36.9
104.040000	24.6	1000.0	120.000	6.8	13.1	37.7



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2605D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Limit and Margin-QP

Frequency (MHz)	QuasiPeak (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBpW)
30.440000	25.1	1000.0	120.000	7.9	19.9	45.0
72.560000	24.0	1000.0	120.000	6.8	22.6	46.6
90.320000	23.9	1000.0	120.000	7.7	23.3	47.2

Limit and Margin-CAV

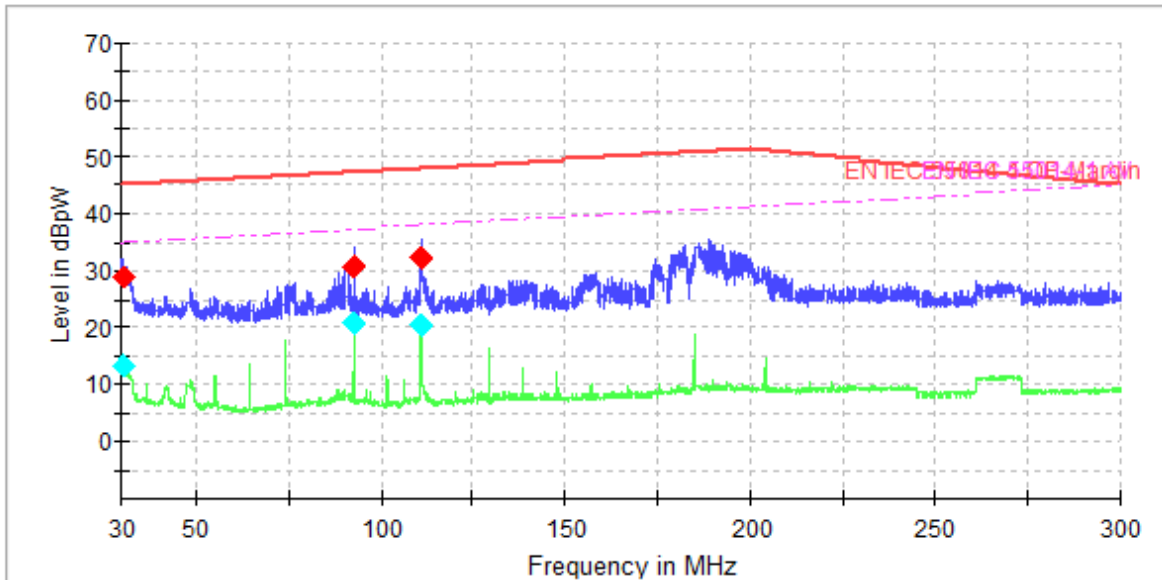
Frequency (MHz)	CAverage (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - CAV (dB)	Limit - CAV (dBpW)
30.440000	12.7	1000.0	120.000	7.9	22.3	35.0
72.560000	7.8	1000.0	120.000	6.8	28.8	36.6
90.320000	8.7	1000.0	120.000	7.7	28.5	37.2



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2605D-S
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz



Limit and Margin-QP

Frequency (MHz)	QuasiPeak (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBpW)
30.400000	29.0	1000.0	120.000	7.9	16.0	45.0
92.640000	30.9	1000.0	120.000	7.5	16.4	47.3
111.200000	32.3	1000.0	120.000	6.9	15.7	48.0

Limit and Margin-CAV

Frequency (MHz)	CAverage (dBpW)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)	Margin - CAV (dB)	Limit - CAV (dBpW)
30.400000	13.2	1000.0	120.000	7.9	21.8	35.0
92.640000	20.8	1000.0	120.000	7.5	16.5	37.3
111.200000	20.5	1000.0	120.000	6.9	17.5	38.0



TEST REPORT N°: BXKV-ESH-P25101249B

4.5 Radiated emission (below 1GHz)

4.5.1 Test condition

Applicable Standard:	EN IEC 55014-1:2021
Applied limit class:	<input type="checkbox"/> Table 9; Radiated disturbance limits 30 MHz to 1000 MHz
	<input type="checkbox"/> Other: --
Test set up description:	<input type="checkbox"/> Equipment on a table of 80 cm height
	<input type="checkbox"/> Equipment on the floor (isolated from ground plane)
	<input type="checkbox"/> Other (e.g. height of pallet):
Supplementary test set-up description for SAC :	Measurements were made in semi-anechoic chamber that complies to CISPR 16. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements with quasi-peak detector for below 1GHz were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.
Test method applied (30 MHz to 1000 MHz):	<input type="checkbox"/> OATS or SAC with measurement distance [m]: 3 m
	<input type="checkbox"/> FAR/FAC CISPR 16-2-3 with measurement distance [m]: 3 m
	<input type="checkbox"/> FAR/FAC IEC 61000-4-22 with measurement distance [m]: 3 m
	<input type="checkbox"/> TEM Waveguide according to IEC 61000-4-20
Remark:	The EUT does not contain any internal clock frequency or clock generator operating at frequency higher than 30MHz and the margin for the disturbance power test results between 200MHz and 300MHz fulfilled the margin's requirement in Table 8, the EUT is deemed to comply with this requirement without further testing.

Limits for SAC 3 m distance	
Frequency range (MHz)	Quasi-peak (dBµV/m)
30-230	40
230-1000	47

4.5.2 Test results

Pass



TEST REPORT N°: BXKV-ESH-P25101249B

4.6 Radiated emission (above 1GHz)

4.6.1 Test condition

Applicable Standard:	EN IEC 55014-1:2021	
Applied limit class:	<input type="checkbox"/>	Table 11; Radiated electric field disturbance limits 1000 MHz to 6000 MHz
	<input type="checkbox"/>	Other: --
Test set up description:	<input type="checkbox"/>	Equipment on a table of 80 cm height
	<input type="checkbox"/>	Equipment on the floor (isolated from ground plane)
	<input type="checkbox"/>	Other:
Supplementary test set-up description for SAC :	Measurements were made in semi-anechoic chamber with RF absorber on the RGP which complies to CISPR 16. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements with peak and average detector were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.	
Test method applied (1000 MHz to 6000 MHz):	<input type="checkbox"/>	FSOATS with measurement distance [m]: 3 m
	<input type="checkbox"/>	SAC/OATS with RF absorbers on the RGP with measurement distance [m]: 3 m
	<input type="checkbox"/>	FAR CISPR 16-2-3 with measurement distance [m]: 3 m
Remark:	--	

Limits for SAC with RF absorbers 3 m distance		
Frequency range (MHz)	Peak (dBµV/m)	Average (dBµV/m)
1000 – 3000	70	50
3000 – 6000	74	54

4.6.2 Test results

N/A



TEST REPORT N°: BXKV-ESH-P25101249B

4.7 Discontinuous disturbances (9 kHz – 30 MHz)

4.7.1 Test condition

Applicable Standard:	EN IEC 55014-1:2021	
Test setup description:	<input type="checkbox"/>	Setup Type A (40 cm distance to vertical ground plane, 80 cm over ground plane)
	<input type="checkbox"/>	Setup Type B (40 cm distance to horizontal ground plane)
	<input type="checkbox"/>	Floor standing equipment setup (10 cm over ground plane)
	<input type="checkbox"/>	Other: --
	<input type="checkbox"/>	Artificial hand applied
CDN applied:	<input type="checkbox"/>	Artificial mains network
	<input type="checkbox"/>	Artificial mains network used as voltage probe
	<input type="checkbox"/>	Voltage probe
	<input type="checkbox"/>	Other: --
Applied method for discontinuous disturbances:	<input type="checkbox"/>	Click rate determined on base of switching operations
	<input type="checkbox"/>	Click rate determined on base of clicks measurements
	<input type="checkbox"/>	Other: --
Remark:	--	

4.7.2 Test results

N/A



TEST REPORT N°: BXKV-ESH-P25101249B

4.8 Harmonics current emissions

4.8.1 Test condition

Applicable Standard:	EN IEC 61000-3-2:2019+A1:2021+A2:2024	
Test set up description:	Floor standing equipment set-up (10 cm over ground plane)	
Limit classification in accordance with the standard:	<input checked="" type="checkbox"/>	Class A
	<input type="checkbox"/>	Class B
	<input type="checkbox"/>	Class C, rated power > 25 W
	<input type="checkbox"/>	Class C, 5 W ≤ rated power ≤ 25 W
	<input type="checkbox"/>	Class D
Observation period	2.5 min	
Remark:	--	



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TEST REPORT N°: BXKV-ESH-P25101249B

4.8.2 Test results

Model:	KFT2001D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz

Current Harmonics (values at the end of test)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Result (Max.)	Harm. Win.	Win. (150%)	% Of Max
2	0.0016	1.0800	0.1	PASS	PASS	0.0019	1.6200	0.1
3	0.0057	2.3000	0.2	PASS	PASS	0.0061	3.4500	0.2
4	0.0015	0.4300	0.3	PASS	PASS	0.0017	0.6450	0.3
5	0.0008	1.1400	0.1	PASS	PASS	0.0010	1.7100	0.1
6	0.0015	0.3000	0.5	PASS	PASS	0.0017	0.4500	0.4
7	0.0017	0.7700	0.2	PASS	PASS	0.0019	1.1550	0.2
8	0.0015	0.2300	0.6	PASS	PASS	0.0017	0.3450	0.5
9	0.0015	0.4000	0.4	PASS	PASS	0.0017	0.6000	0.3
10	0.0013	0.1840	0.7	PASS	PASS	0.0016	0.2760	0.6
11	0.0014	0.3300	0.4	PASS	PASS	0.0016	0.4950	0.3
12	0.0013	0.1533	0.9	PASS	PASS	0.0015	0.2300	0.7
13	0.0012	0.2100	0.6	PASS	PASS	0.0014	0.3150	0.5
14	0.0012	0.1314	0.9	PASS	PASS	0.0015	0.1971	0.7
15	0.0012	0.1500	0.8	PASS	PASS	0.0014	0.2250	0.6
16	0.0012	0.1150	1.0	PASS	PASS	0.0014	0.1725	0.8
17	0.0011	0.1324	0.8	PASS	PASS	0.0013	0.1986	0.7
18	0.0011	0.1022	1.1	PASS	PASS	0.0013	0.1533	0.9
19	0.0010	0.1184	0.9	PASS	PASS	0.0012	0.1776	0.7
20	0.0010	0.0920	1.0	PASS	PASS	0.0011	0.1380	0.8
21	0.0009	0.1071	0.9	PASS	PASS	0.0011	0.1607	0.7
22	0.0009	0.0836	1.1	PASS	PASS	0.0011	0.1254	0.8
23	0.0009	0.0978	0.9	PASS	PASS	0.0010	0.1467	0.7
24	0.0008	0.0767	1.0	PASS	PASS	0.0009	0.1151	0.8
25	0.0007	0.0900	0.8	PASS	PASS	0.0009	0.1350	0.6
26	0.0007	0.0708	1.0	PASS	PASS	0.0009	0.1062	0.8
27	0.0007	0.0833	0.8	PASS	PASS	0.0008	0.1250	0.7
28	0.0006	0.0657	0.9	PASS	PASS	0.0007	0.0986	0.8
29	0.0006	0.0776	0.7	PASS	PASS	0.0007	0.1164	0.6
30	0.0006	0.0613	0.9	PASS	PASS	0.0007	0.0920	0.8
31	0.0005	0.0720	0.7	PASS	PASS	0.0007	0.1080	0.6
32	0.0005	0.0575	0.8	PASS	PASS	0.0006	0.0863	0.7
33	0.0004	0.0682	0.6	PASS	PASS	0.0005	0.1023	0.5
34	0.0004	0.0541	0.7	PASS	PASS	0.0005	0.0812	0.6
35	0.0004	0.0643	0.6	PASS	PASS	0.0005	0.0965	0.5
36	0.0004	0.0511	0.7	PASS	PASS	0.0005	0.0767	0.7
37	0.0003	0.0608	0.5	PASS	PASS	0.0004	0.0912	0.5
38	0.0003	0.0484	0.6	PASS	PASS	0.0004	0.0726	0.6
39	0.0003	0.0577	0.5	PASS	PASS	0.0004	0.0866	0.5
40	0.0003	0.0460	0.6	PASS	PASS	0.0004	0.0690	0.6



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2103D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz

Current Harmonics (values at the end of test)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Result (Max.)	Harm. Win.	Win. (150%)	% Of Max
2	0.0014	1.0800	0.1	PASS	PASS	0.0015	1.6200	0.1
3	0.0058	2.3000	0.3	PASS	PASS	0.0060	3.4500	0.2
4	0.0014	0.4300	0.3	PASS	PASS	0.0016	0.6450	0.2
5	0.0012	1.1400	0.1	PASS	PASS	0.0013	1.7100	0.1
6	0.0015	0.3000	0.5	PASS	PASS	0.0016	0.4500	0.4
7	0.0016	0.7700	0.2	PASS	PASS	0.0017	1.1550	0.1
8	0.0013	0.2300	0.6	PASS	PASS	0.0015	0.3450	0.4
9	0.0014	0.4000	0.4	PASS	PASS	0.0016	0.6000	0.3
10	0.0013	0.1840	0.7	PASS	PASS	0.0015	0.2760	0.5
11	0.0013	0.3300	0.4	PASS	PASS	0.0014	0.4950	0.3
12	0.0012	0.1533	0.8	PASS	PASS	0.0014	0.2300	0.6
13	0.0012	0.2100	0.6	PASS	PASS	0.0013	0.3150	0.4
14	0.0012	0.1314	0.9	PASS	PASS	0.0013	0.1971	0.7
15	0.0011	0.1500	0.7	PASS	PASS	0.0013	0.2250	0.6
16	0.0011	0.1150	0.9	PASS	PASS	0.0012	0.1725	0.7
17	0.0011	0.1324	0.8	PASS	PASS	0.0012	0.1986	0.6
18	0.0010	0.1022	1.0	PASS	PASS	0.0012	0.1533	0.8
19	0.0010	0.1184	0.8	PASS	PASS	0.0011	0.1776	0.6
20	0.0009	0.0920	1.0	PASS	PASS	0.0011	0.1380	0.8
21	0.0009	0.1071	0.8	PASS	PASS	0.0011	0.1607	0.7
22	0.0008	0.0836	1.0	PASS	PASS	0.0010	0.1254	0.8
23	0.0008	0.0978	0.8	PASS	PASS	0.0010	0.1467	0.7
24	0.0008	0.0767	1.0	PASS	PASS	0.0009	0.1151	0.8
25	0.0007	0.0900	0.8	PASS	PASS	0.0008	0.1350	0.6
26	0.0006	0.0708	0.9	PASS	PASS	0.0008	0.1062	0.7
27	0.0007	0.0833	0.8	PASS	PASS	0.0008	0.1250	0.6
28	0.0006	0.0657	0.9	PASS	PASS	0.0007	0.0986	0.7
29	0.0005	0.0776	0.7	PASS	PASS	0.0007	0.1164	0.6
30	0.0005	0.0613	0.8	PASS	PASS	0.0006	0.0920	0.7
31	0.0005	0.0720	0.7	PASS	PASS	0.0007	0.1080	0.7
32	0.0004	0.0575	0.7	PASS	PASS	0.0005	0.0863	0.6
33	0.0004	0.0682	0.6	PASS	PASS	0.0005	0.1023	0.5
34	0.0004	0.0541	0.7	PASS	PASS	0.0005	0.0812	0.6
35	0.0004	0.0643	0.6	PASS	PASS	0.0005	0.0965	0.5
36	0.0003	0.0511	0.7	PASS	PASS	0.0005	0.0767	0.6
37	0.0003	0.0608	0.5	PASS	PASS	0.0004	0.0912	0.4
38	0.0003	0.0484	0.6	PASS	PASS	0.0004	0.0726	0.6
39	0.0003	0.0577	0.5	PASS	PASS	0.0004	0.0866	0.5
40	0.0003	0.0460	0.6	PASS	PASS	0.0004	0.0690	0.5



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2407D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz

Current Harmonics (values at the end of test)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Result (Max.)	Harm. Win.	Win. (150%)	% Of Max
2	0.0025	1.0800	0.2	PASS	PASS	0.0027	1.6200	0.2
3	0.0044	2.3000	0.2	PASS	PASS	0.0045	3.4500	0.1
4	0.0026	0.4300	0.6	PASS	PASS	0.0027	0.6450	0.4
5	0.0021	1.1400	0.2	PASS	PASS	0.0022	1.7100	0.1
6	0.0026	0.3000	0.9	PASS	PASS	0.0027	0.4500	0.6
7	0.0028	0.7700	0.4	PASS	PASS	0.0030	1.1550	0.3
8	0.0025	0.2300	1.1	PASS	PASS	0.0026	0.3450	0.7
9	0.0023	0.4000	0.6	PASS	PASS	0.0024	0.6000	0.4
10	0.0023	0.1840	1.3	PASS	PASS	0.0025	0.2760	0.9
11	0.0023	0.3300	0.7	PASS	PASS	0.0024	0.4950	0.5
12	0.0022	0.1533	1.4	PASS	PASS	0.0023	0.2300	1.0
13	0.0021	0.2100	1.0	PASS	PASS	0.0022	0.3150	0.7
14	0.0020	0.1314	1.5	PASS	PASS	0.0021	0.1971	1.1
15	0.0019	0.1500	1.3	PASS	PASS	0.0020	0.2250	0.9
16	0.0018	0.1150	1.5	PASS	PASS	0.0019	0.1725	1.1
17	0.0017	0.1324	1.3	PASS	PASS	0.0018	0.1986	0.9
18	0.0015	0.1022	1.5	PASS	PASS	0.0017	0.1533	1.1
19	0.0015	0.1184	1.2	PASS	PASS	0.0016	0.1776	0.9
20	0.0014	0.0920	1.5	PASS	PASS	0.0015	0.1380	1.1
21	0.0013	0.1071	1.2	PASS	PASS	0.0014	0.1607	0.9
22	0.0011	0.0836	1.4	PASS	PASS	0.0012	0.1254	1.0
23	0.0011	0.0978	1.1	PASS	PASS	0.0012	0.1467	0.8
24	0.0010	0.0767	1.3	PASS	PASS	0.0011	0.1151	1.0
25	0.0009	0.0900	1.0	PASS	PASS	0.0010	0.1350	0.7
26	0.0008	0.0708	1.1	PASS	PASS	0.0009	0.1062	0.8
27	0.0007	0.0833	0.9	PASS	PASS	0.0009	0.1250	0.7
28	0.0006	0.0657	1.0	PASS	PASS	0.0008	0.0986	0.8
29	0.0005	0.0776	0.7	PASS	PASS	0.0007	0.1164	0.6
30	0.0005	0.0613	0.7	PASS	PASS	0.0006	0.0920	0.6
31	0.0005	0.0720	0.6	PASS	PASS	0.0006	0.1080	0.5
32	0.0004	0.0575	0.7	PASS	PASS	0.0005	0.0863	0.6
33	0.0003	0.0682	0.5	PASS	PASS	0.0005	0.1023	0.4
34	0.0003	0.0541	0.6	PASS	PASS	0.0004	0.0812	0.6
35	0.0003	0.0643	0.5	PASS	PASS	0.0004	0.0965	0.4
36	0.0003	0.0511	0.6	PASS	PASS	0.0004	0.0767	0.5
37	0.0003	0.0608	0.5	PASS	PASS	0.0004	0.0912	0.4
38	0.0003	0.0484	0.6	PASS	PASS	0.0004	0.0726	0.6
39	0.0003	0.0577	0.5	PASS	PASS	0.0004	0.0866	0.5
40	0.0003	0.0460	0.7	PASS	PASS	0.0004	0.0690	0.6



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2605D
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz

Current Harmonics (values at the end of test)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Result (Max.)	Harm. Win.	Win. (150%)	% Of Max
2	0.0018	1.0800	0.2	PASS	PASS	0.0018	1.6200	0.1
3	0.0037	2.3000	0.2	PASS	PASS	0.0039	3.4500	0.1
4	0.0018	0.4300	0.4	PASS	PASS	0.0018	0.6450	0.3
5	0.0013	1.1400	0.1	PASS	PASS	0.0013	1.7100	0.1
6	0.0017	0.3000	0.6	PASS	PASS	0.0017	0.4500	0.4
7	0.0021	0.7700	0.3	PASS	PASS	0.0021	1.1550	0.2
8	0.0016	0.2300	0.7	PASS	PASS	0.0017	0.3450	0.5
9	0.0014	0.4000	0.3	PASS	PASS	0.0014	0.6000	0.2
10	0.0015	0.1840	0.8	PASS	PASS	0.0015	0.2760	0.6
11	0.0016	0.3300	0.5	PASS	PASS	0.0016	0.4950	0.3
12	0.0015	0.1533	1.0	PASS	PASS	0.0015	0.2300	0.6
13	0.0014	0.2100	0.7	PASS	PASS	0.0014	0.3150	0.4
14	0.0014	0.1314	1.0	PASS	PASS	0.0014	0.1971	0.7
15	0.0013	0.1500	0.9	PASS	PASS	0.0013	0.2250	0.6
16	0.0013	0.1150	1.1	PASS	PASS	0.0013	0.1725	0.8
17	0.0012	0.1324	0.9	PASS	PASS	0.0012	0.1986	0.6
18	0.0011	0.1022	1.1	PASS	PASS	0.0012	0.1533	0.8
19	0.0011	0.1184	0.9	PASS	PASS	0.0011	0.1776	0.6
20	0.0010	0.0920	1.1	PASS	PASS	0.0010	0.1380	0.8
21	0.0010	0.1071	0.9	PASS	PASS	0.0010	0.1607	0.6
22	0.0009	0.0836	1.1	PASS	PASS	0.0009	0.1254	0.8
23	0.0009	0.0978	0.9	PASS	PASS	0.0009	0.1467	0.6
24	0.0008	0.0767	1.0	PASS	PASS	0.0008	0.1151	0.7
25	0.0007	0.0900	0.8	PASS	PASS	0.0008	0.1350	0.6
26	0.0007	0.0708	1.0	PASS	PASS	0.0007	0.1062	0.7
27	0.0006	0.0833	0.8	PASS	PASS	0.0007	0.1250	0.5
28	0.0006	0.0657	0.9	PASS	PASS	0.0006	0.0986	0.6
29	0.0005	0.0776	0.7	PASS	PASS	0.0006	0.1164	0.5
30	0.0005	0.0613	0.8	PASS	PASS	0.0005	0.0920	0.6
31	0.0004	0.0720	0.6	PASS	PASS	0.0005	0.1080	0.4
32	0.0004	0.0575	0.7	PASS	PASS	0.0004	0.0863	0.5
33	0.0003	0.0682	0.5	PASS	PASS	0.0003	0.1023	0.3
34	0.0003	0.0541	0.6	PASS	PASS	0.0003	0.0812	0.4
35	0.0003	0.0643	0.4	PASS	PASS	0.0003	0.0965	0.3
36	0.0002	0.0511	0.4	PASS	PASS	0.0002	0.0767	0.3
37	0.0002	0.0608	0.3	PASS	PASS	0.0002	0.0912	0.2
38	0.0002	0.0484	0.4	PASS	PASS	0.0002	0.0726	0.3
39	0.0002	0.0577	0.3	PASS	PASS	0.0002	0.0866	0.2
40	0.0001	0.0460	0.3	PASS	PASS	0.0001	0.0690	0.2



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TEST REPORT N°: BXKV-ESH-P25101249B

Model:	KFT2605D-S
Test mode:	Mode A
Test voltage:	AC 230V, 50Hz

Current Harmonics (values at the end of test)

Harm No.	Harm. Ave.	Limit (100%)	% Of Limits	Result (Ave.)	Result (Max.)	Harm. Win.	Win. (150%)	% Of Max
2	0.0025	1.0800	0.2	PASS	PASS	0.0026	1.6200	0.2
3	0.0042	2.3000	0.2	PASS	PASS	0.0043	3.4500	0.1
4	0.0026	0.4300	0.6	PASS	PASS	0.0027	0.6450	0.4
5	0.0022	1.1400	0.2	PASS	PASS	0.0022	1.7100	0.1
6	0.0026	0.3000	0.9	PASS	PASS	0.0026	0.4500	0.6
7	0.0029	0.7700	0.4	PASS	PASS	0.0030	1.1550	0.3
8	0.0024	0.2300	1.1	PASS	PASS	0.0024	0.3450	0.7
9	0.0022	0.4000	0.5	PASS	PASS	0.0022	0.6000	0.4
10	0.0023	0.1840	1.3	PASS	PASS	0.0023	0.2760	0.8
11	0.0023	0.3300	0.7	PASS	PASS	0.0024	0.4950	0.5
12	0.0021	0.1533	1.4	PASS	PASS	0.0021	0.2300	0.9
13	0.0020	0.2100	1.0	PASS	PASS	0.0020	0.3150	0.6
14	0.0020	0.1314	1.5	PASS	PASS	0.0020	0.1971	1.0
15	0.0019	0.1500	1.2	PASS	PASS	0.0019	0.2250	0.8
16	0.0017	0.1150	1.5	PASS	PASS	0.0017	0.1725	1.0
17	0.0016	0.1324	1.2	PASS	PASS	0.0017	0.1986	0.8
18	0.0015	0.1022	1.5	PASS	PASS	0.0016	0.1533	1.0
19	0.0015	0.1184	1.2	PASS	PASS	0.0015	0.1776	0.8
20	0.0014	0.0920	1.5	PASS	PASS	0.0014	0.1380	1.0
21	0.0012	0.1071	1.2	PASS	PASS	0.0013	0.1607	0.8
22	0.0011	0.0836	1.3	PASS	PASS	0.0011	0.1254	0.9
23	0.0010	0.0978	1.1	PASS	PASS	0.0011	0.1467	0.7
24	0.0010	0.0767	1.2	PASS	PASS	0.0010	0.1151	0.8
25	0.0008	0.0900	0.9	PASS	PASS	0.0009	0.1350	0.6
26	0.0007	0.0708	1.0	PASS	PASS	0.0008	0.1062	0.7
27	0.0007	0.0833	0.8	PASS	PASS	0.0007	0.1250	0.6
28	0.0006	0.0657	0.9	PASS	PASS	0.0006	0.0986	0.6
29	0.0005	0.0776	0.7	PASS	PASS	0.0005	0.1164	0.5
30	0.0004	0.0613	0.7	PASS	PASS	0.0005	0.0920	0.5
31	0.0004	0.0720	0.5	PASS	PASS	0.0004	0.1080	0.4
32	0.0003	0.0575	0.6	PASS	PASS	0.0004	0.0863	0.4
33	0.0003	0.0682	0.4	PASS	PASS	0.0003	0.1023	0.3
34	0.0002	0.0541	0.4	PASS	PASS	0.0003	0.0812	0.3
35	0.0002	0.0643	0.3	PASS	PASS	0.0002	0.0965	0.2
36	0.0002	0.0511	0.4	PASS	PASS	0.0002	0.0767	0.3
37	0.0002	0.0608	0.3	PASS	PASS	0.0002	0.0912	0.2
38	0.0002	0.0484	0.4	PASS	PASS	0.0002	0.0726	0.3
39	0.0002	0.0577	0.3	PASS	PASS	0.0002	0.0866	0.2
40	0.0002	0.0460	0.4	PASS	PASS	0.0002	0.0690	0.3



TEST REPORT N°: BXKV-ESH-P25101249B

4.9 Voltage fluctuation and flicker

4.9.1 Test condition

Applicable Standard:	EN 61000-3-3:2013+A1:2019+A2:2021	
Test set up description:	Floor standing equipment set-up (10 cm over ground plane)	
Test method:	<input checked="" type="checkbox"/>	4.2.2 Flickermeter according to IEC 61000-4-15
	<input type="checkbox"/>	4.2.3 Simulation
	<input type="checkbox"/>	4.2.4 Analytical method
	<input type="checkbox"/>	4.2.5 Use of $P_{st} = 1$ curve
	<input checked="" type="checkbox"/>	4.3 Long-Term flicker value P_{lt}
Observation time selected:	<input type="checkbox"/>	10 Minutes
	<input checked="" type="checkbox"/>	120 Minutes
	<input type="checkbox"/>	24 times switching
	<input type="checkbox"/>	Other: --
Limit for d_{max} applied:	<input checked="" type="checkbox"/>	4 %
	<input type="checkbox"/>	6 %
	<input type="checkbox"/>	7 %
Remark:	--	



TEST REPORT N°: BXKV-ESH-P25101249B

4.9.2 Test results

Model:	KFT2001D				
Test mode:	Mode A				
Test voltage:	AC 230V, 50Hz				
Parameter:	P_{It}	P_{st}	dt (ms)	dc (%)	d_{max} (%)
Measured value:	0.160	0.164	0.000	0.000	0.902
Limit value:	0.650	1	500	3.30	4.00

Model:	KFT2103D				
Test mode:	Mode A				
Test voltage:	AC 230V, 50Hz				
Parameter:	P_{It}	P_{st}	dt (ms)	dc (%)	d_{max} (%)
Measured value:	0.159	0.162	0.000	0.000	0.898
Limit value:	0.650	1	500	3.30	4.00

Model:	KFT2407D				
Test mode:	Mode A				
Test voltage:	AC 230V, 50Hz				
Parameter:	P_{It}	P_{st}	dt (ms)	dc (%)	d_{max} (%)
Measured value:	0.158	0.160	0.000	0.000	0.843
Limit value:	0.650	1	500	3.30	4.00

Model:	KFT2605D				
Test mode:	Mode A				
Test voltage:	AC 230V, 50Hz				
Parameter:	P_{It}	P_{st}	dt (ms)	dc (%)	d_{max} (%)
Measured value:	0.143	0.156	0.000	0.000	0.000
Limit value:	0.650	1	500	3.30	4.00

Model:	KFT2605D-S				
Test mode:	Mode A				
Test voltage:	AC 230V, 50Hz				
Parameter:	P_{It}	P_{st}	dt (ms)	dc (%)	d_{max} (%)
Measured value:	0.154	0.158	0.000	0.000	0.000
Limit value:	0.650	1	500	3.30	4.00



TEST REPORT N°: BXKV-ESH-P25101249B

5 Test condition and results for immunity

5.1 General information

Performance criteria as defined by the standard EN IEC 55014-2:2021	
Criterion	Description from standard
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 permissible 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.
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 permissible 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 to persist after the test. 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.
C	Temporary loss of function is allowed, provided the function is selfrecoverable or can be restored by the operation of the controls, or by any operation specified in the instructions for use.
Other:	--

Category of test item:	<input checked="" type="checkbox"/>	Category I: equipment containing no electronic control circuitry for mechanical control model.
	<input checked="" type="checkbox"/>	Category II: mains operated equipment containing electronic control circuitry with no clock frequency higher than 15 MHz for electronic control model.
	<input type="checkbox"/>	Category III: battery operated equipment not included in Category I.
	<input type="checkbox"/>	Category IV: mains operated equipment containing electronic control circuitry with a highest clock frequency greater than 15 MHz but lower than or equal to 200 MHz.
	<input type="checkbox"/>	Category V: mains operated equipment containing electronic control circuitry with a highest clock frequency greater than 200 MHz.
Remark:	For mechanical control model: The apparatus under test is part of the category I listed in article 4.2 of the standard (apparatus without electronic control circuitry), it is deemed to comply with the immunity requirements of the standard without testing.	



TEST REPORT N°: BXKV-ESH-P25101249B

5.2 Electrostatic discharge immunity test (ESD)

5.2.1 Test condition

Basic standard:	IEC 61000-4-2:2008 / EN 61000-4-2:2009	
Test set up:	<input type="checkbox"/>	Table-top equipment
	<input checked="" type="checkbox"/>	Floor standing equipment
	<input type="checkbox"/>	Wall or ceiling mounted equipment (Treated as table top)
Supplementary test set up description:	Measurements were made on a ground plane that extends 0.5 m minimum beyond all sides of the system under test and the minimum distance between the equipment under test and any laboratory walls or any other metallic surfaces shall be at least 1 m. Air discharges were applied to non-metallic parts of the system. Contact discharges were applied to all accessible metallic parts. Discharges were also applied to the Horizontal and Vertical Coupling Planes, where applicable.	
Discharge impedance:	330 ohm / 150 pF	
Size of horizontal coupling plate:	1.6 x 0.8 m	
Size of vertical coupling plate:	0.5 x 0.5 m	
Number of discharges for each test point:	10	
Discharge interval:	1 s	
Performance criterion:	<input checked="" type="checkbox"/>	B
	<input type="checkbox"/>	C (For toys not using score or data entered by the user)
Remark:	--	



TEST REPORT N°: BXKV-ESH-P25101249B

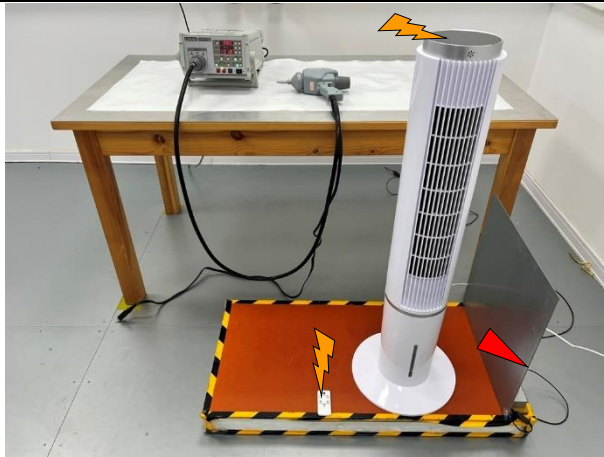
5.2.2 Test results

Operating mode:	Mode A			
Ambient temperature:	24°C			
Relative humidity:	49 %			
Atmospheric pressure:	101.1 kPa			
Supplementary information:	--			
Location of discharge	Test level (kV)	Polarity	Type	Observations
Vertical coupling plate	4	+	Contact discharge	Note 1
Vertical coupling plate	4	-	Contact discharge	Note 1
Points on non-conductive surface as indicated in the picture below	8	+	Air discharge	Note 1
Points on non-conductive surface as indicated in the picture below	8	-	Air discharge	Note 1

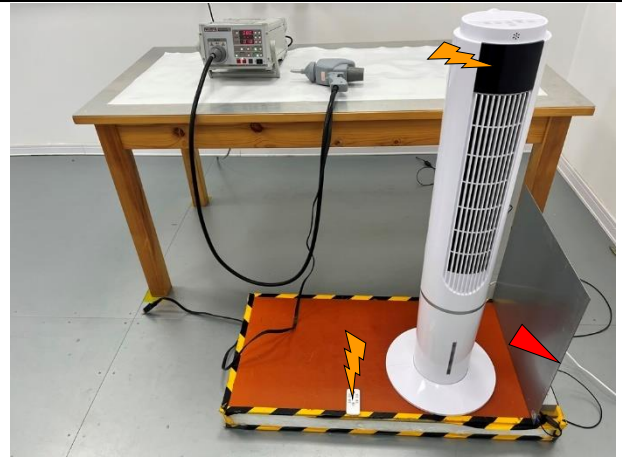
Note 1: EUT worked as intended during and after test.

Photos of test points:

Symbols identifying discharge applied:		Contact discharge
		Air discharge



KFT2001D

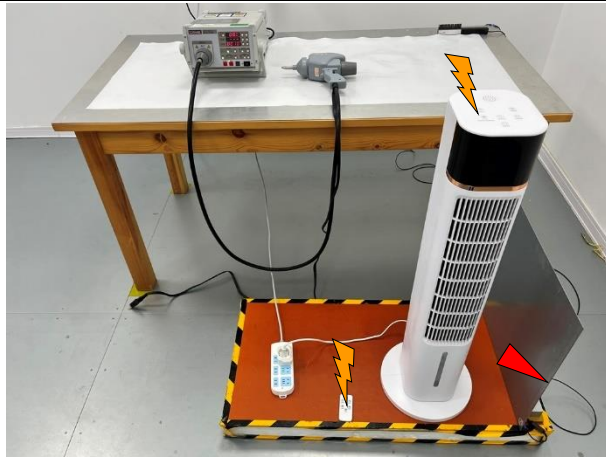


KFT2103D

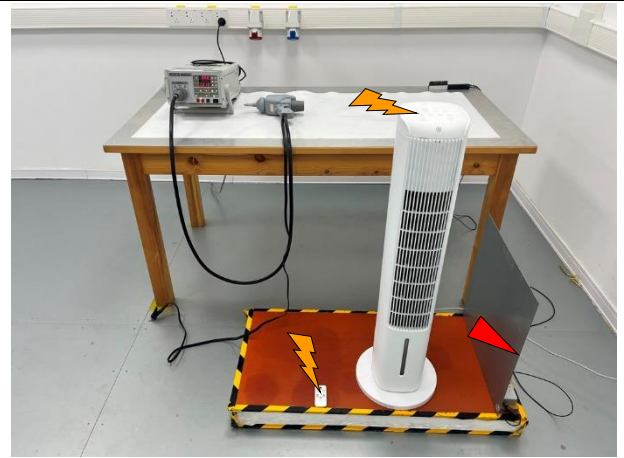


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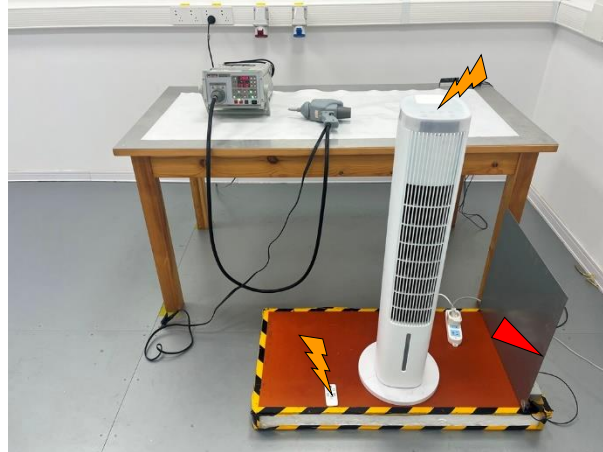
TEST REPORT N°: BXKV-ESH-P25101249B



KFT2407D



KFT2605D



KFT2605D-S



TEST REPORT N°: BXKV-ESH-P25101249B

5.3 Radiated, Radio-frequency, Electromagnetic field immunity test (RS)

5.3.1 Test condition

Basic standard:	IEC 61000-4-3:2020 / EN IEC 61000-4-3:2020	
Test setup:	<input type="checkbox"/>	Equipment on the table (0.8 m height)
	<input type="checkbox"/>	Equipment standing on floor (0.05 m to 0.15 m height)
	<input type="checkbox"/>	Other: --
Supplementary test set up description:	Measurements were made in a semi or full anechoic chamber or TEM or reverberation chamber and the indicated field strength was pre-calibrated prior to placement of the system under test. For semi or full anechoic chamber the tests were performed in both the horizontal and vertical polarities, where applicable. The antenna was placed between 1 and 3 m from the product under test.	
Antenna height:	1.5 m	
Distance antenna to EUT:	3 m	
Modulation:	80 % AM with 1 kHz	
Dwell time:	3 s	
Step size:	1%	
Applied testing method:	<input type="checkbox"/>	IEC 61000-4-3 Radiated Field with Antenna
	<input type="checkbox"/>	IEC 61000-4-22 Radiated emission and immunity measurements in fully anechoic rooms (FARs)
	<input type="checkbox"/>	IEC 61000-4-20 Emission and immunity testing in transverse electromagnetic (TEM) waveguides
Performance criterion:	A	
Remark:	The highest clock frequency \leq 15 MHz	

5.3.2 Test results

N/A



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5.4 Electrical fast transient/Burst immunity test (EFT)

5.4.1 Test condition

Basic standard:	IEC 61000-4-4:2012 / EN 61000-4-4:2012	
Test setup:	<input type="checkbox"/>	Equipment on the table (0.1 ± 0.01) m above ground plane
	<input checked="" type="checkbox"/>	Equipment standing on floor at (0.1 ± 0.05) m above ground plane
	<input type="checkbox"/>	Artificial hand applied
Supplementary test set up description:	The ground reference plane shall project beyond the EUT by at least 0.1 m on all sides. The minimum distance between the EUT and all other conductive structures (including the generator, AE and the walls of a shielded room), except the ground reference plane, shall be more than 0.5 m. All cables to the EUT shall be placed on the insulation support 0.1 m above the ground reference plane. Cables not subject to test shall be routed as far as possible from the cable under test to minimize the coupling between the cables. Either a direct coupling network or a capacitive clamp shall be used for the application of the test voltages.	
Test time:	2 min	
Repetition frequency:	5 kHz	
Impulse wave shape:	5/50 ns	
Burst duration:	15 ms for 5kHz repetition frequency	
Burst period:	300 ms	
Performance criterion:	B	
Remark:	--	

5.4.2 Test results

Operating mode:		Mode A			
Supplementary information:		--			
Port	Test line	Test level (kV)	Polarity	Coupling method	Observations
Input AC power ports	L1	1	+/-	CDN	Note 1
	N				
	L1+N				
Note 1: EUT worked as intended during and after test.					



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5.5 Surges

5.5.1 Test condition

Basic Standard:	IEC 61000-4-5:2014+A1:2017 / EN 61000-4-5:2014+A1:2017		
Test set up description:	Floor standing equipment set-up (10 cm over ground plane)		
Supplementary test set up description:	Tests were conducted with the product connected to a Coupling/Decoupling Network (CDN)		
Wave-Shape:	1.2/50 μ s open circuit voltage, 8/20 μ s short circuit current		
Repetition rate:	60 s		
Number of pulses for each coupling:	5 positive and 5 negative		
Performance criterion:	<input checked="" type="checkbox"/>	B	
	<input type="checkbox"/>	C (Exception 7.2.7 of EN IEC 55014-2:2021 applied)	
		Technical justification: --	
Remark:	--		

5.5.2 Test results

Operating mode:	Mode A				
Supplementary information:	--				
Port	Coupling	Test level in kV	phase in degrees	Polarity	Observations
Input AC power ports	L1 – N	1	90°	+	Note 1
Input AC power ports	L1 – N	1	270°	-	Note 1
Note 1: EUT worked as intended during and after test.					



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5.6 Immunity to conducted disturbances induced by RF fields (CS), 0.15 MHz to 230 MHz

5.6.1 Test condition

Basic Standard:	IEC 61000-4-6:2013 / EN 61000-4-6:2014	
Test setup:	<input checked="" type="checkbox"/>	Equipment located (0,1 ± 0,05) m above ground plane
	<input type="checkbox"/>	Elevated ground plane.
	<input type="checkbox"/>	Artificial hand applied.
Supplementary test set up description:	Measurements were made on a ground plane that extends 0.5 m minimum beyond all sides of the system under test. The EUT was located 0.1 m above the reference ground plane and any associated cables attached to the EUT were located between 30 - 50mm above the ground plane. The indicated field was pre-calibrated prior to placement of the system under test.	
Modulation:	80 % AM with 1 kHz	
Dwell time:	3 s	
Step size:	1%	
Performance criterion:	A	
Remark:	--	

5.6.2 Test results

Operating mode:	Mode A				
Supplementary information:	--				
Frequency range	Port	Test line	Test level (V)	CDN type	Observations
0.15 MHz – 230 MHz	Input AC power ports	AC mains line	3	CDN	Note 1
Note 1: EUT worked as intended during and after test.					



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5.7 Voltage dips

5.7.1 Test condition

Basic Standard:	IEC 61000-4-11:2020 / EN IEC 61000-4-11:2020
Test set up description:	Floor standing equipment set-up (10 cm over ground plane)
Supplementary test set up description:	Testing was performed with the product connected directly to a generator capable of simulating the voltage drops.
Repetition rate:	10 s
Number of dips or interruptions:	3
Performance criterion:	C
Remark:	--

5.7.2 Test results

Operating mode:	Mode A			
Supplementary information:	--			
Applied mains voltage / frequency (U_N)	Test level in % of U_N	Duration in cycles	Phase angle in degrees	Observations
AC 230V, 50Hz	0	0.5	0°, 180°	Note 1
AC 230V, 50Hz	40	10	0°	Note 1
AC 230V, 50Hz	70	25	0°	Note 1
Note 1: EUT worked as intended during and after test.				



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6 Conclusion

The apparatus Air cooler and models KFT2001J, KFT2001D, KFT2103J, KFT2103D, KFT2407J, KFT2407D, KFT2605D, KFT2605D-S, KFT2605J are in compliance with the requirements of the standards EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1:2021+A2:2024 and EN 61000-3-3:2013+A1:2019+A2:2021.

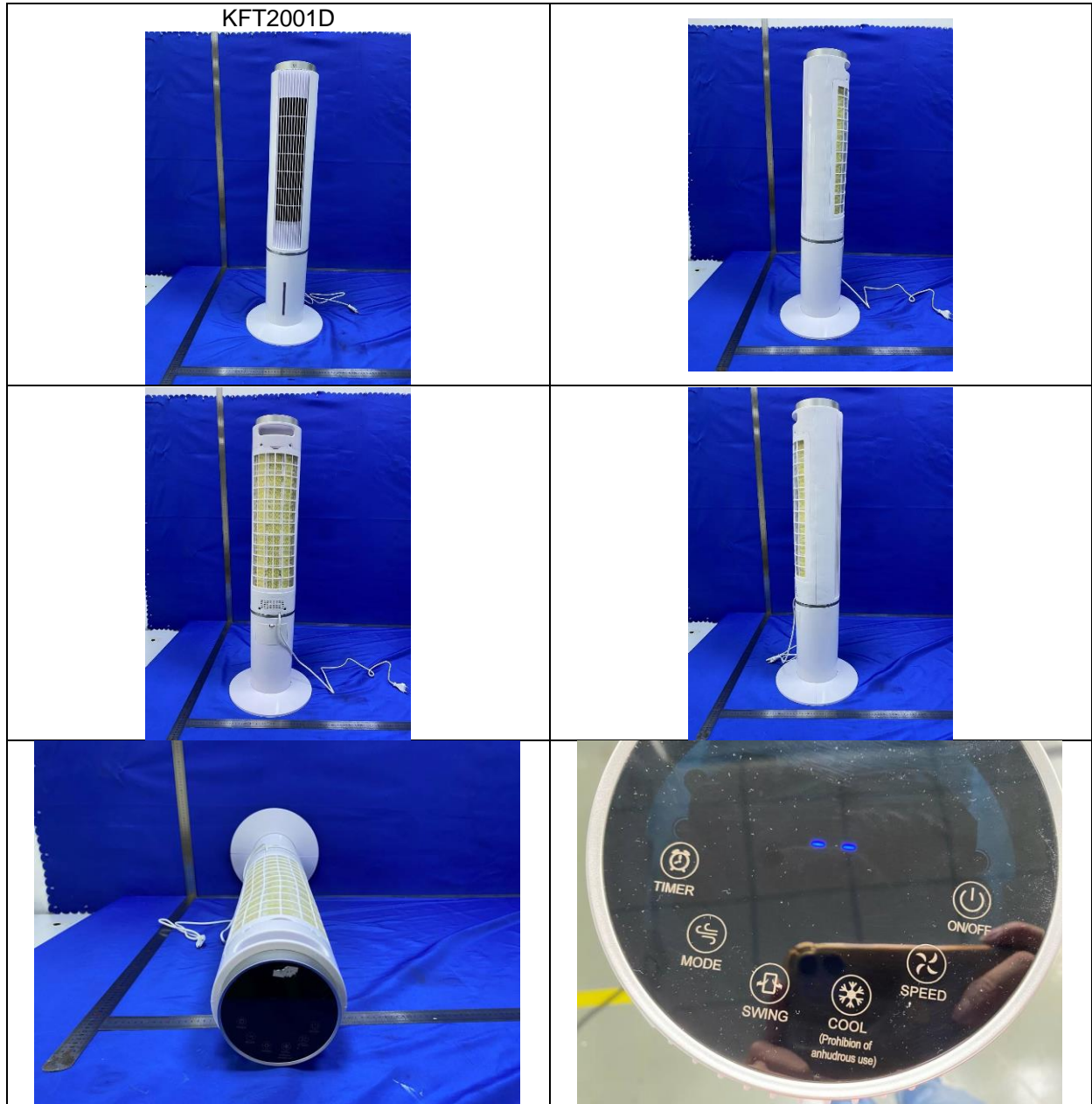


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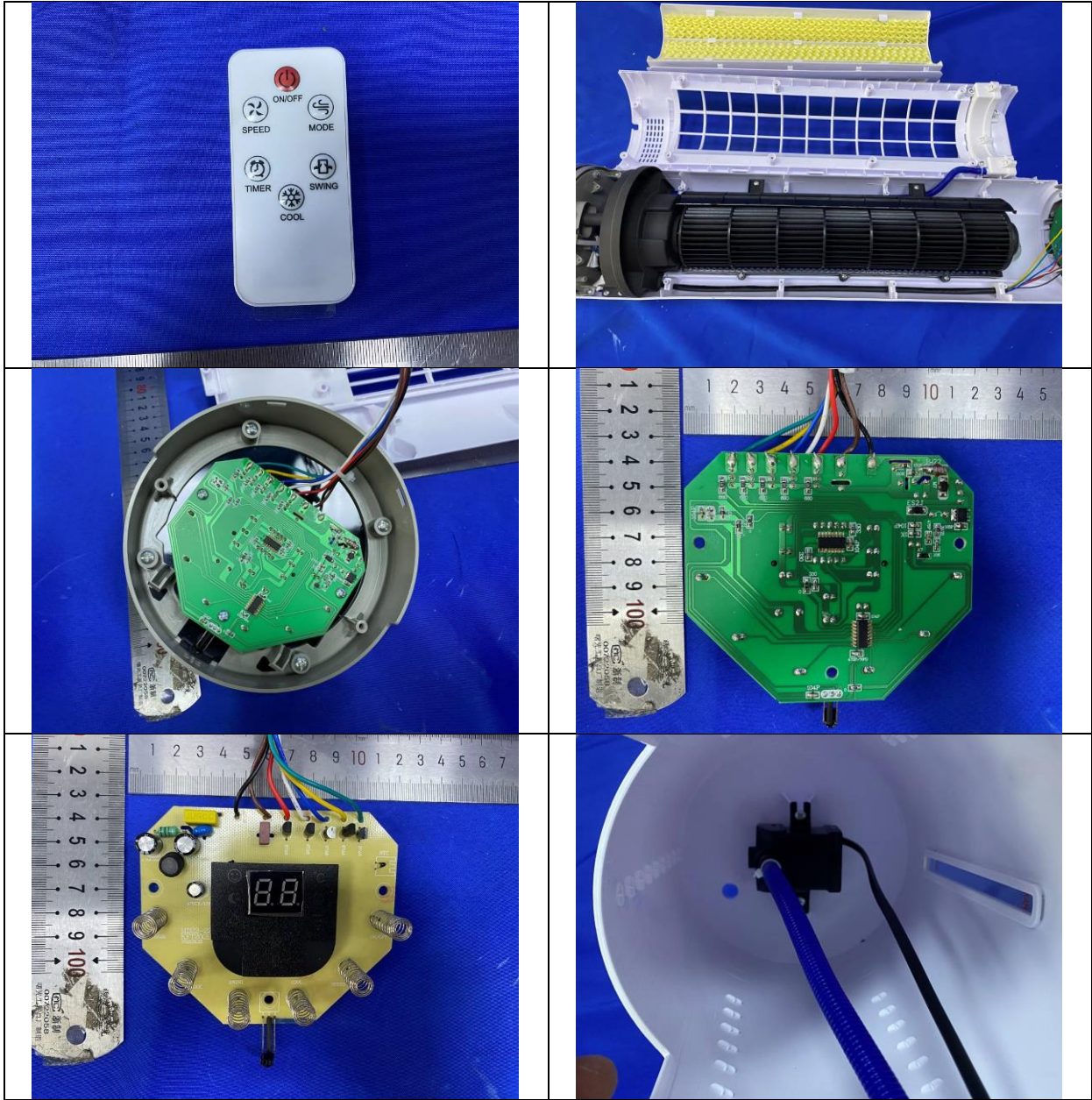
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Appendix A: Photograph of sample





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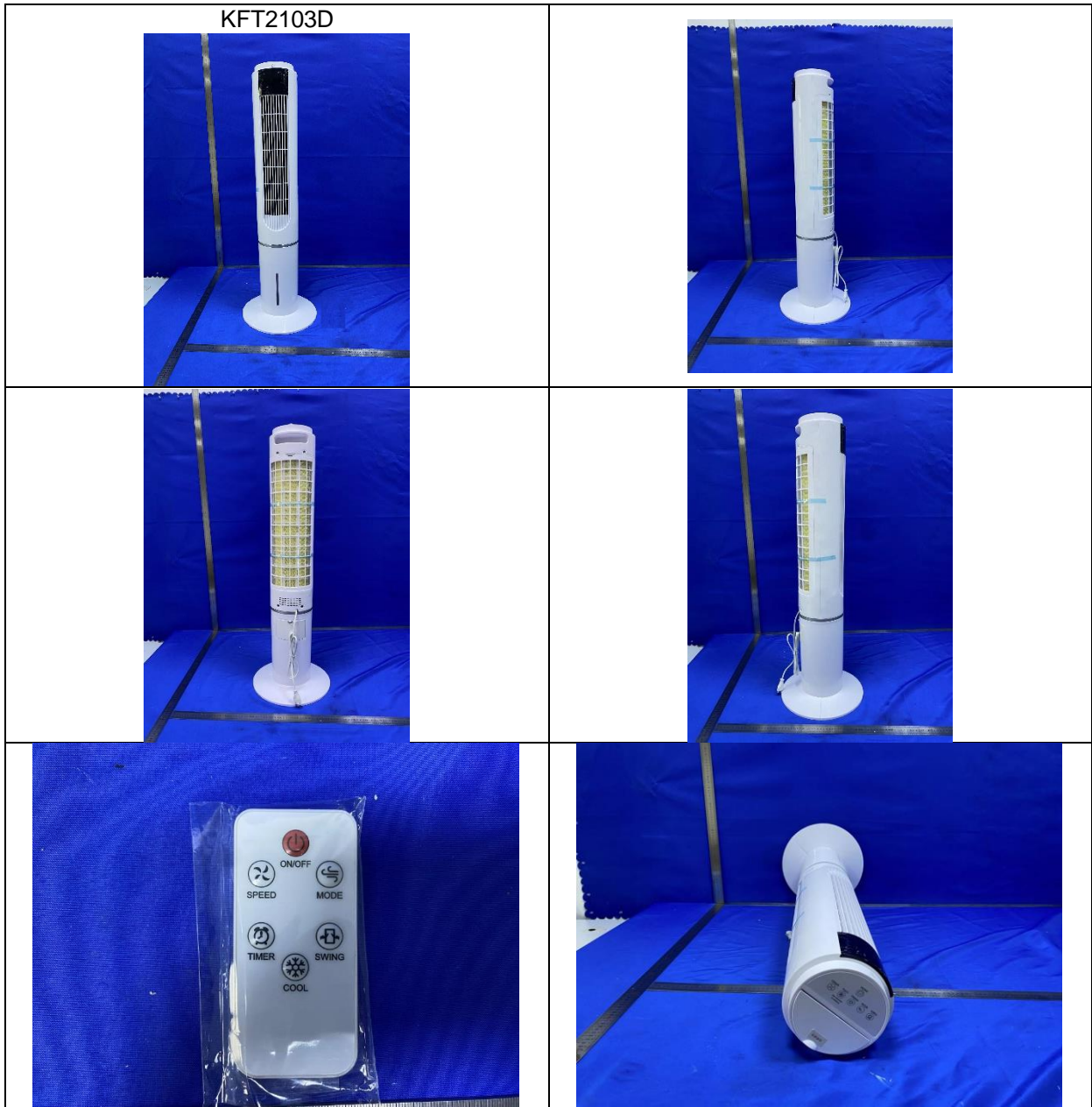




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KFT2103D



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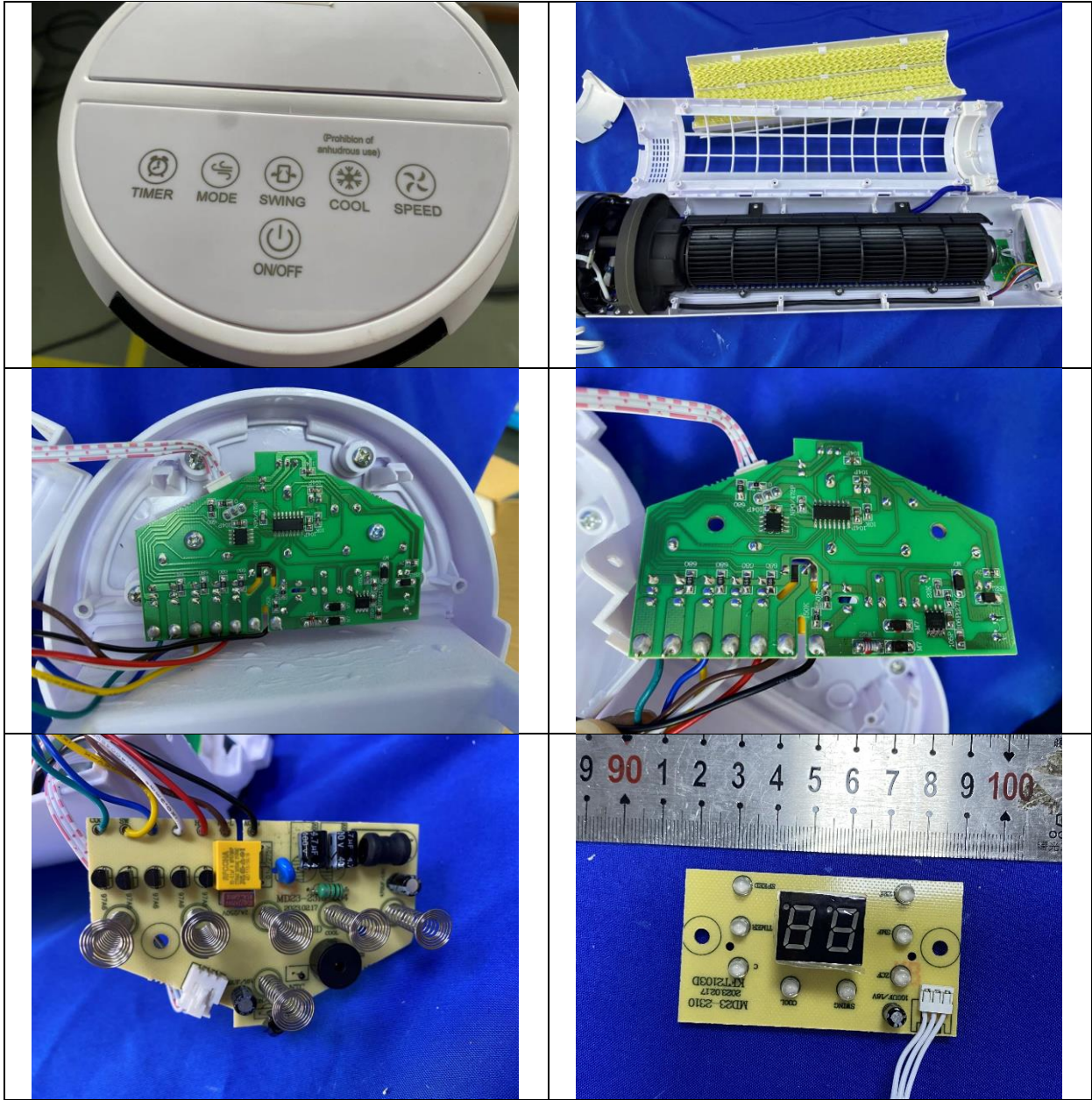
**Building 4, No. 518, Xin Zhuan Road,
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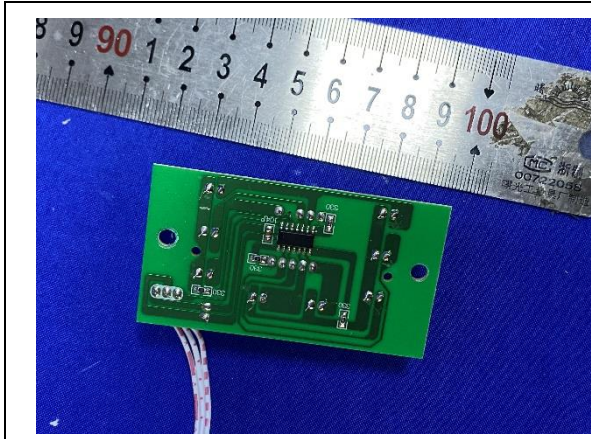
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KFT2001D, KFT2103D



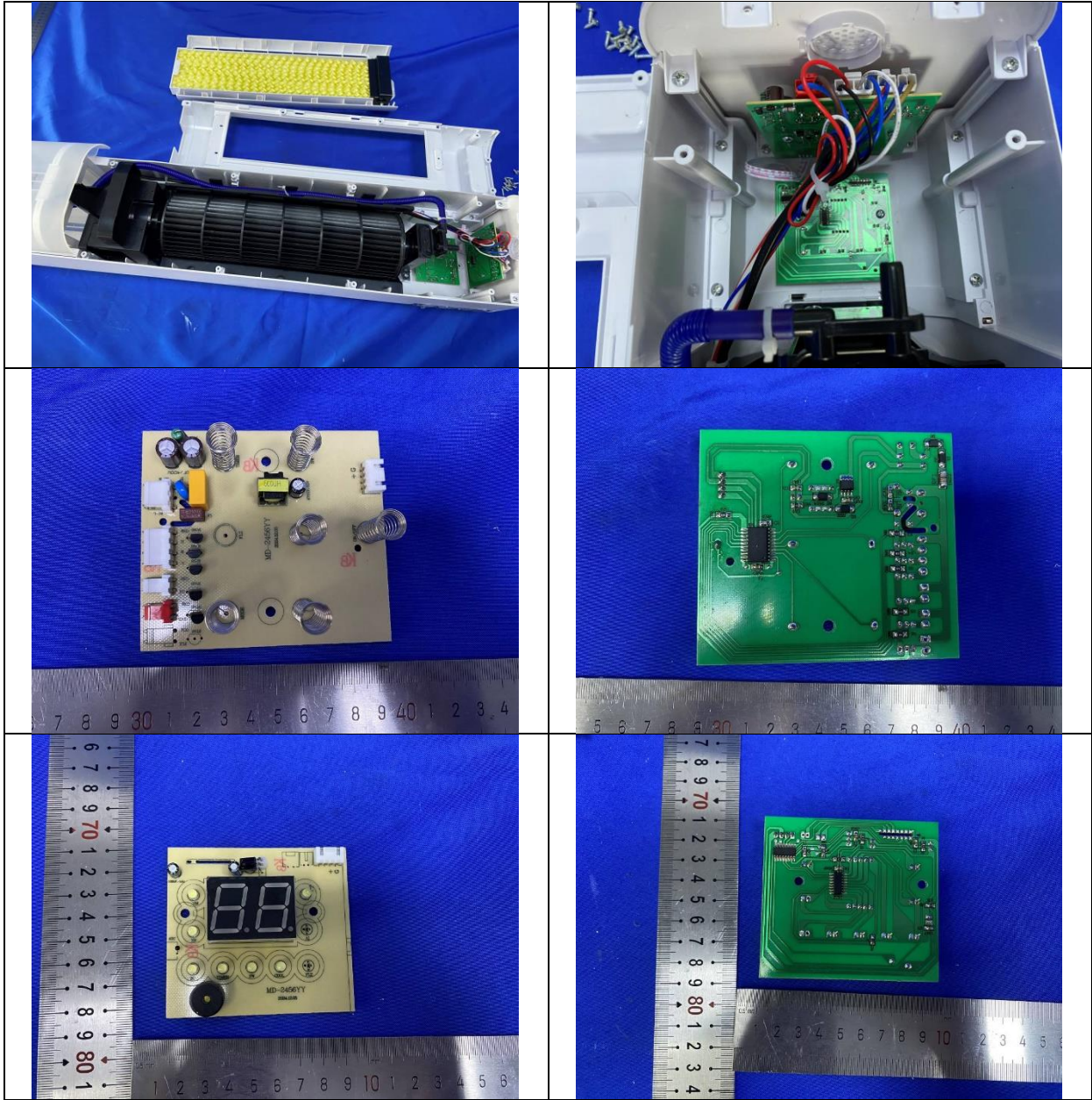
KFT2407D





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KFT2605D



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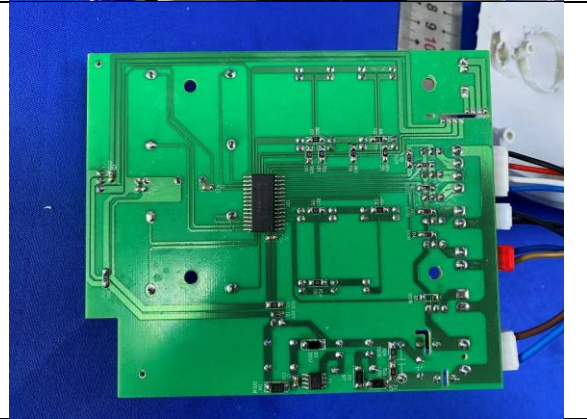
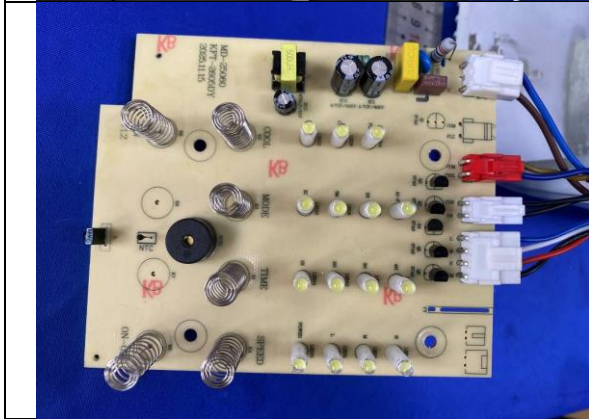
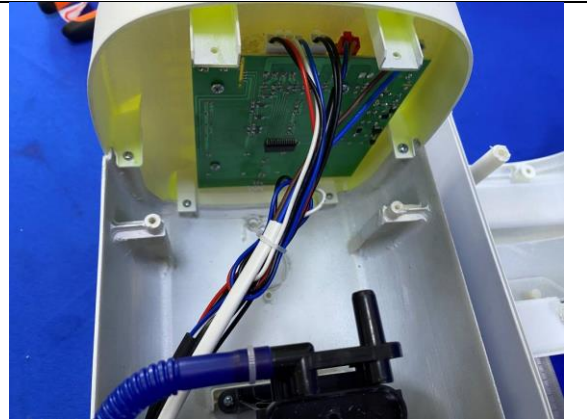
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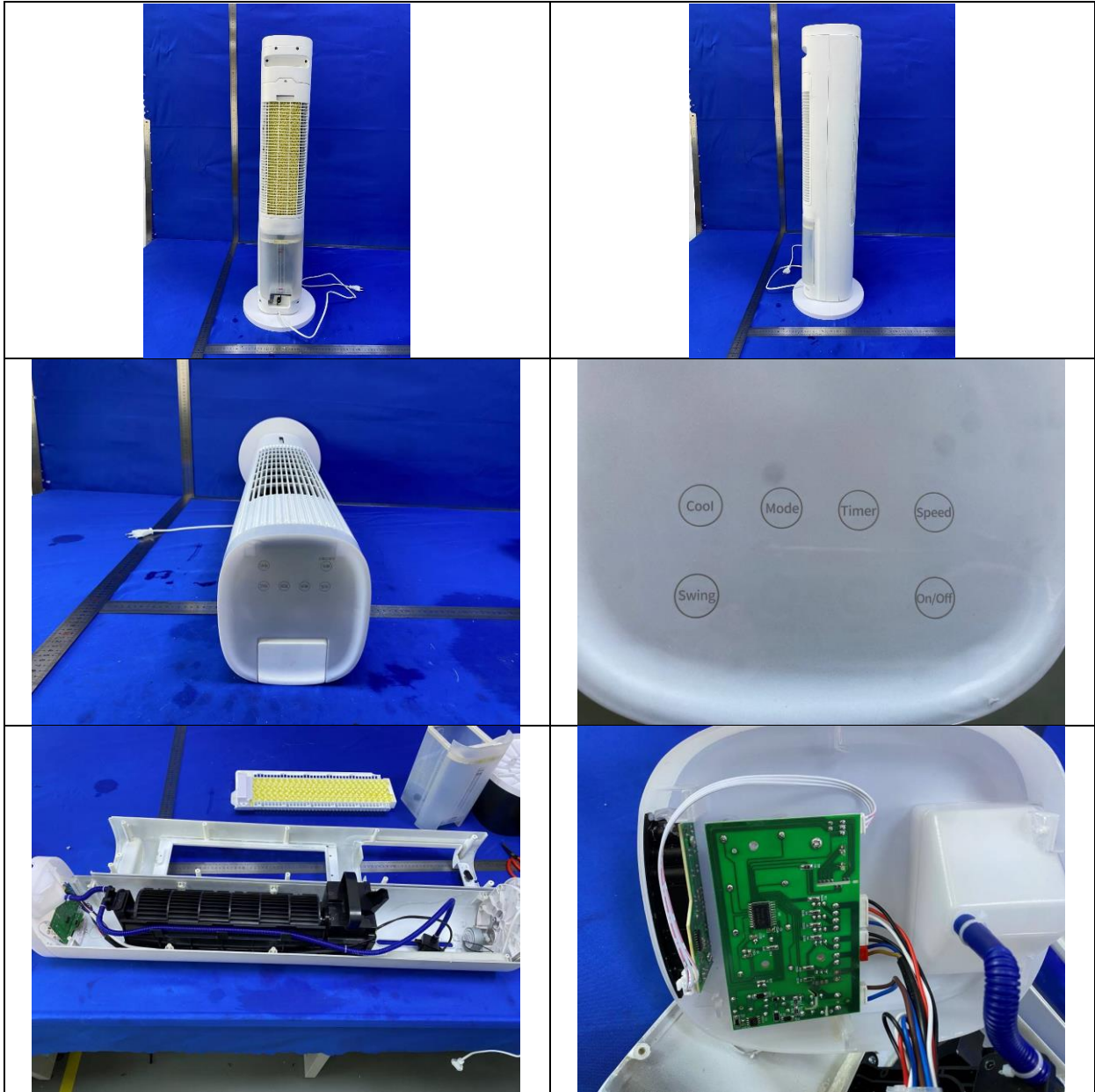
KFT2605D-S





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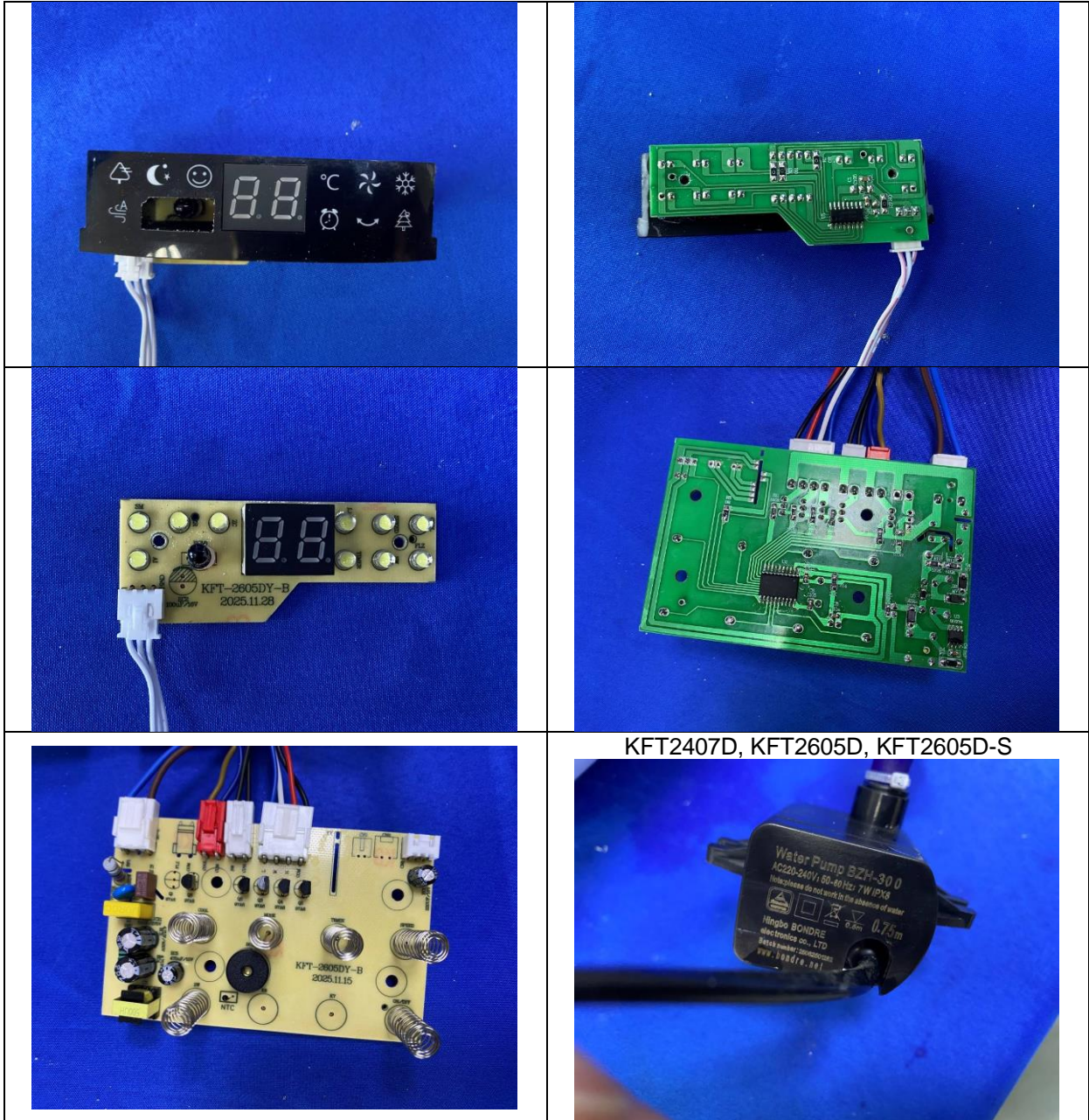
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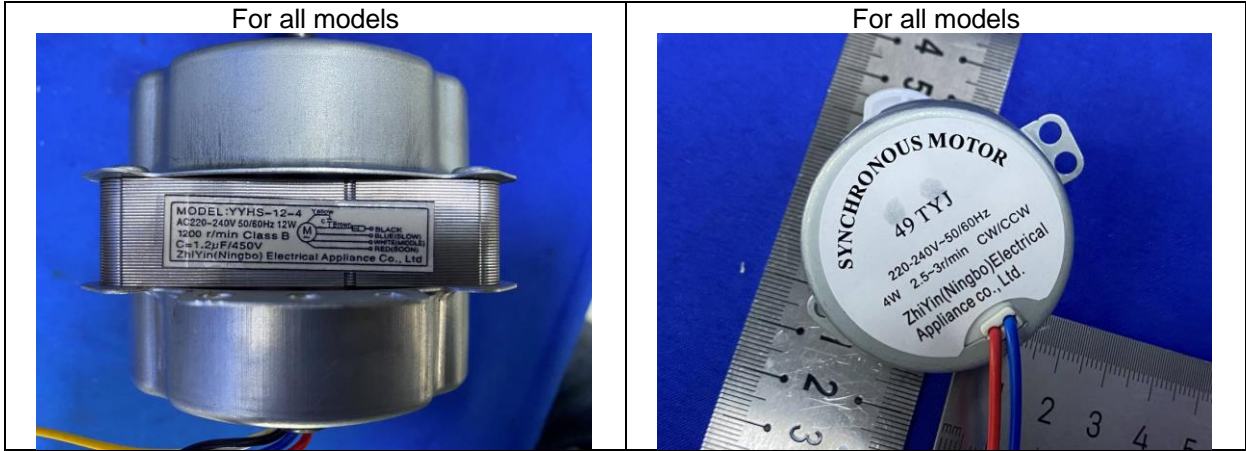


KFT2407D, KFT2605D, KFT2605D-S



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