

TEST REPORT

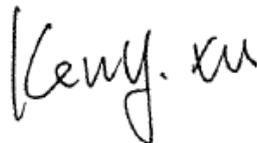
Application No.: SZCR2402000455AT
Applicant: Jackery Inc.
Address of Applicant: 5310 BUNCHE DR FREMONT, CA 94538-8301, USA
Manufacturer: Shenzhen Hello Tech Energy Co., Ltd.
Address of Manufacturer: F2-3, Bldg. 7, Jiaanda Science and technology Industrial Park Factory, The East Side of Huafan Road, Tongsheng Community, Dalang Street, Longhua District, Shenzhen, Guangdong, China
Factory: Shenzhen Hello Tech Energy Co., Ltd.
Address of Factory: F2-4 Building 7 and Building 4, Jiaanda Science and Technology Industrial Park Factory, the East Side of Huafan Road, Tongsheng Community, Dalang Street, Longhua District, Shenzhen, Guangdong, China

Equipment Under Test (EUT):

EUT Name: Portable Power Station
Model No.: JE-1000D
Trade Mark: Jackery
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2024-02-02
Date of Test: 2024-02-05 to 2024-02-07
Date of Issue: 2024-02-21

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



Keny Xu
EMC Laboratory Manager



Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-02-21		Original

Authorized for issue by:				
				
		Powell Bao/Project Engineer		
				
		Eric Fu/Reviewer		



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2 Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	15.107(a);Class B	Pass
Radiated Emissions (30MHz-1GHz)		ANSI C63.4:2014	15.109(a);Class B	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.4:2014	15.109(g);Class B	Pass



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center ELEC Laboratory

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4 General Information

4.1 Details of E.U.T.

Power supply:	DC input: 2 x DC 8mm ports:DC12-16V, 8A Max, Double to 8A Max, DC16-60V, 10.5A, Double to 21A/400W AC Input: AC 3-pin Port: AC100V-120V, 60Hz, 15A Max; 3 x AC Output: AC100V-120V, 60Hz, 1500W Rated 3000W surge peak USB-C1: 30W Max,DC5V,3A; DC9V, 3A; DC12V, 2.5A; DC15V, 2A; DC20V, 1.5A USB-C2: 100W Max,DC5V,3A; DC9V, 3A; DC12V, 3A; DC15V, 3A; DC20V, 5A USB-A: Quick Charge 3.0, 18W Max, DC5-6V/3A; DC6-9V/2A; DC9- 12V/1.5A 1 x Car Outlet: DC12V, 10A
Cable(s):	AC cable: 1.9m unshielded cable Car charger cable: 4m unshielded cable

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Micro USB Cable	PHILIPS	SWR2101	REF. No.SEA07A00
Type-C Cable	SGS	N/A	REF. No.SEA07D01D
Type-C Cable	SGS	N/A	REF. No.SEA07D01A
USB Cable	PHILIPS	SWR2101	REF. No.SEA07C00
Load Resistor	SGS	N/A	REF. No.SEA06A00
Load Resistor	SGS	BX7-14	REF. No.SEA37A00

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at Mains Terminals (150kHz-30MHz)	± 3.1dB
Radiated Emissions (30MHz-1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions (Above 1GHz)	± 4.6dB

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{CISPR/ETSI}$ (CISPR/ETSI Uncertainty), so the test results

– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;

– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

Room 105, Building A, Xinlong Technology Industrial Park, No. 50 Fengtang Road, Xintian Community, Fuyong Street, Bao'an District, Shenzhen, China

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



5 Equipment List

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-01	2023-03-20	2024-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
LISN	Rohde & Schwarz	ENV216	SEM007-16	2023-09-19	2024-09-18
Coaxial Cable	SGS	N/A	SEM033-02	2023-05-15	2024-05-14

Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
966 Anechoic Chamber	CRT	N/A	SEM001-13	2022-10-15	2025-10-14
EMI Test Receiver	Agilent	N9038A	SEM004-05	2023-09-14	2024-09-13
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-26	2023-09-23	2025-09-22
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2023-09-17	2025-09-16
Pre-Amplifier	HP	8447D	SEM005-02	2023-09-13	2024-09-12
Pre-Amplifier	HP	8347A	SEM005-07	2023-10-20	2024-10-19
Coaxial Cable	SGS	N/A	SEM035-01	2023-05-15	2024-05-14
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
966 Anechoic Chamber	CRT	N/A	SEM001-13	2022-10-15	2025-10-14
EMI Test Receiver	Agilent	N9038A	SEM004-05	2023-09-14	2024-09-13
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2023-09-17	2025-09-16
Coaxial Cable	SGS	N/A	SEM035-01	2023-05-15	2024-05-14
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-52	2023-07-28	2024-07-27
Humidity/ Temperature Indicator	deli	8838	SEM002-53	2023-07-28	2024-07-27
Barometer	DUMAI	DYM3	SEM002-24	2022-09-13	2023-09-12



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6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement: 47 CFR Part 15, Subpart B
 Test Method: ANSI C63.4:2014
 Measurement Distance: 3m

Limit:

0.15M-0.5MHz	66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average
0.5M-5MHz	56dB(μV) quasi-peak, 46dB(μV) average
5M-30MHz	60dB(μV) quasi-peak, 50dB(μV) average
Detector:	Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

6.1.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.5 °C Humidity: 51.2 % RH Atmospheric Pressure: 1000 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	AC Power Supply_full load,Keep EUT be charged and working at full load mode.(USB-C1: DC5V,3A; DC9V, 3A; DC12V, 2.5A, DC15V, 2A; DC20V, 1.5A; USB-C2: DC5V/3A, DC9V/3A, DC12V/3A, DC15V/3A, DC20V/5A prescan to find worse case + USB-A: DC5-6V/3A, DC6-9V/2A, DC9-12V/1.5A prescan to find worse case +1 x car charger +light on+ light on)
Pre-scan	01	AC Power Supply_half load,Keep EUT be charged and working at half load mode.(USB-C1: DC5V,1.5A; DC9V, 1.5A; DC12V, 1.25A, DC15V, 1A; DC20V, 0.75A; USB-C2: DC5V/1.5A, DC9V/1.5A, DC12V/1.5A, DC15V/1.5A, DC20V/2.5A prescan to find worse case + USB-A: DC5-6V/1.5A, DC6-9V/1A, DC9-12V/0.75A prescan to find worse case +1 x car charger +light on+ light on)

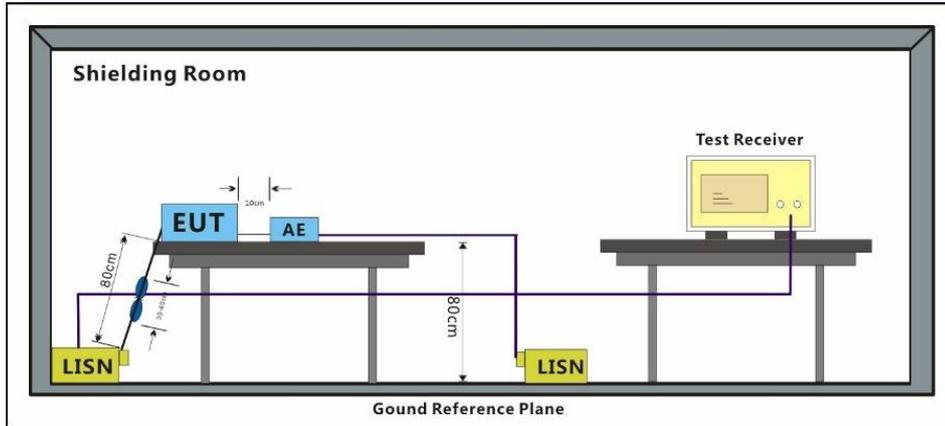


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6.1.3 Test Setup Diagram

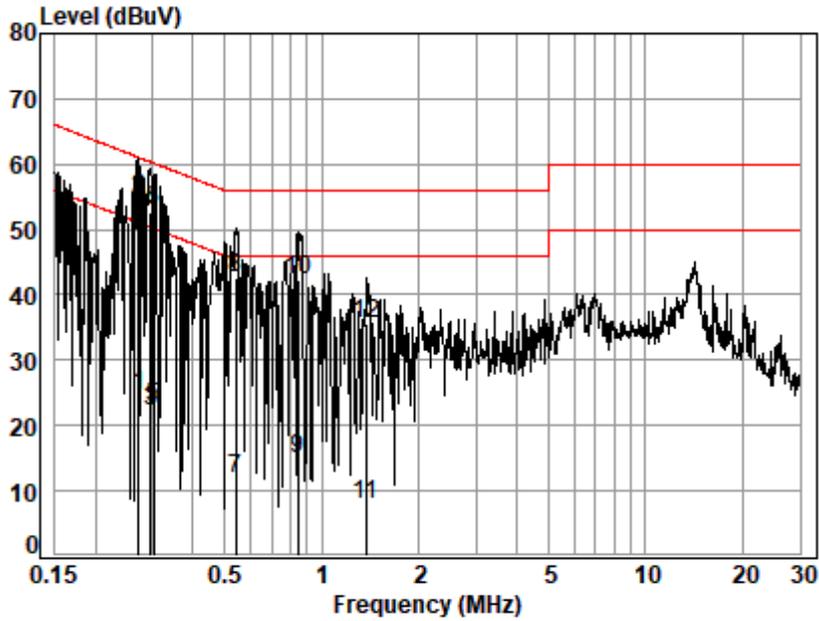


6.1.4 Measurement Procedure and Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

Remark: Level= Read Level+ Cable Loss+ LISN Factor

Test Mode: 00; Line: Live line

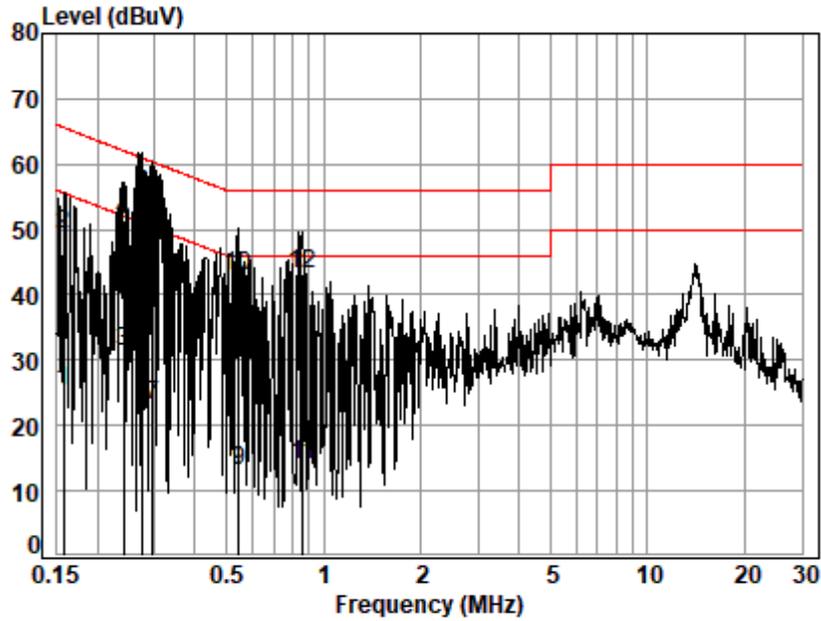


Site : Shielding Room
 Condition: Line
 Job No. : 00455AT
 Test mode: 00

	Cable	LISN	Read	Limit	Over		
Freq	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2730	0.08	9.57	14.96	24.61	51.03	-26.42 Average
2	0.2730	0.08	9.57	45.06	54.71	61.03	-6.32 QP
3	0.2955	0.09	9.57	12.40	22.06	50.37	-28.31 Average
4	0.2955	0.09	9.57	42.86	52.52	60.37	-7.85 QP
5	0.3023	0.09	9.57	13.14	22.80	50.18	-27.38 Average
6	0.3023	0.09	9.57	43.34	53.00	60.18	-7.18 QP
7	0.5436	0.14	9.56	2.30	12.00	46.00	-34.00 Average
8	0.5436	0.14	9.56	32.74	42.44	56.00	-13.56 QP
9	0.8438	0.18	9.57	5.03	14.78	46.00	-31.22 Average
10	0.8438	0.18	9.57	32.64	42.39	56.00	-13.61 QP
11	1.3738	0.20	9.57	-1.93	7.84	46.00	-38.16 Average
12	1.3738	0.20	9.57	25.85	35.62	56.00	-20.38 QP



Test Mode: 00; Line: Neutral Line



Site : Shielding Room
 Condition: Neutral
 Job No. : 00455AT
 Test mode: 00

	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.1573	0.06	9.58	15.55	55.60	-30.41	Average
2	0.1573	0.06	9.58	39.60	65.60	-16.36	QP
3	0.2416	0.07	9.58	21.68	52.04	-20.71	Average
4	0.2416	0.07	9.58	41.76	62.04	-10.63	QP
5	0.2759	0.08	9.58	16.58	50.94	-24.70	Average
6	0.2759	0.08	9.58	45.69	60.94	-5.59	QP
7	0.2955	0.09	9.58	13.33	50.37	-27.37	Average
8	0.2955	0.09	9.58	43.76	60.37	-6.94	QP
9	0.5464	0.14	9.58	3.35	46.00	-32.93	Average
10	0.5464	0.14	9.58	33.27	56.00	-13.01	QP
11	0.8618	0.17	9.58	4.20	46.00	-32.05	Average
12	0.8618	0.17	9.58	33.54	56.00	-12.71	QP



6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
 Test Method: ANSI C63.4:2014
 Measurement Distance: 3m

Limit:

FREQUENCY (MHz)	dBµV/m (At 10m)	dBµV/m (At 3m)
	Class B	Class B
30MHz -88MHz	29.5	40.0
88MHz-216MHz	33.1	43.5
216MHz-960MHz	35.6	46.0
960MHz-1000MHz	43.5	54.0

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz

6.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 20.4 °C Humidity: 51.3 % RH Atmospheric Pressure: 1000 mbar

6.2.2 Test Mode Description

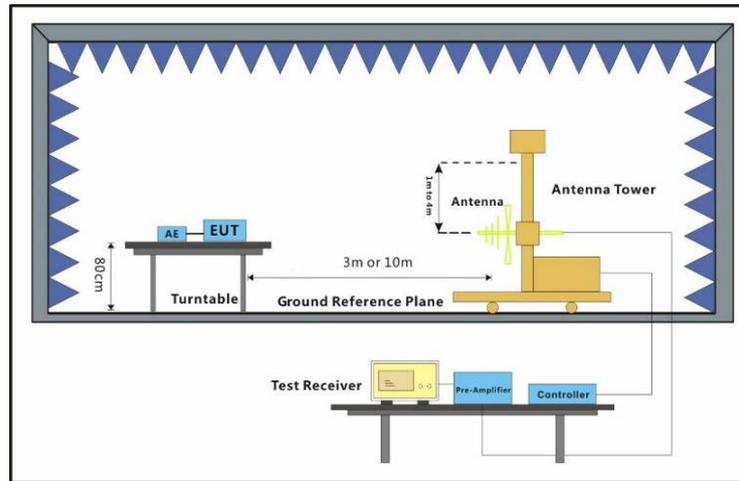
Pre-scan / Final test	Mode Code	Description
Final test	00	AC Power Supply_full load,Keep EUT be charged and working at full load mode.(USB-C1: DC5V,3A; DC9V, 3A; DC12V, 2.5A, DC15V, 2A; DC20V, 1.5A; USB-C2: DC5V/3A, DC9V/3A, DC12V/3A, DC15V/3A, DC20V/5A prescan to find worse case + USB-A: DC5-6V/3A, DC6-9V/2A, DC9-12V/1.5A prescan to find worse case +1 x car charger +light on+ light on)
Pre-scan	01	AC Power Supply_half load,Keep EUT be charged and working at half load mode.(USB-C1: DC5V,1.5A; DC9V, 1.5A; DC12V, 1.25A, DC15V, 1A; DC20V, 0.75A; USB-C2: DC5V/1.5A, DC9V/1.5A, DC12V/1.5A, DC15V/1.5A, DC20V/2.5A prescan to find worse case + USB-A: DC5-6V/1.5A, DC6-9V/1A, DC9-12V/0.75A prescan to find worse case +1 x car charger +light on+ light on)
Final test	02	DC Power Supply_full load,Keep EUT be charged and working at full load mode.(USB-C1: DC5V,3A; DC9V, 3A; DC12V, 2.5A, DC15V, 2A; DC20V, 1.5A; USB-C2: DC5V/3A, DC9V/3A, DC12V/3A, DC15V/3A, DC20V/5A prescan to find worse case + USB-A: DC5-6V/3A, DC6-9V/2A, DC9-12V/1.5A prescan to find worse case +1 x car charger +light on+ light on)
Pre-scan	03	DC Power Supply_half load,Keep EUT be charged and working at half load mode.(USB-C1: DC5V,1.5A; DC9V, 1.5A; DC12V, 1.25A, DC15V, 1A; DC20V, 0.75A; USB-C2: DC5V/1.5A, DC9V/1.5A, DC12V/1.5A, DC15V/1.5A, DC20V/2.5A prescan to find worse case + USB-A: DC5-6V/1.5A, DC6-9V/1A, DC9-12V/0.75A prescan to find worse case +1 x car charger +light on+ light on)



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Final test	04	Normal working without charging_full load,Keep EUT working at full load mode.(3 x AC output 120V 1500W+ USB-C1: DC5V,3A; DC9V, 3A; DC12V, 2.5A, DC15V, 2A; DC20V, 1.5A; USB-C2: DC5V/3A, DC9V/3A, DC12V/3A, DC15V/3A, DC20V/5A prescan to find worse case + USB-A: DC5-6V/3A, DC6-9V/2A, DC9-12V/1.5A prescan to find worse case +1 x car charger +light on+ light on)
Pre-scan	05	Normal working without charging_half load,Keep EUT working at half load mode.(3 x AC output 120V 750W+ USB-C1: DC5V,1.5A; DC9V, 1.5A; DC12V, 1.25A, DC15V, 1A; DC20V, 0.75A; USB-C2: DC5V/1.5A, DC9V/1.5A, DC12V/1.5A, DC15V/1.5A, DC20V/2.5A prescan to find worse case + USB-A: DC5-6V/1.5A, DC6-9V/1A, DC9-12V/0.75A prescan to find worse case +1 x car charger +light on+ light on)

6.2.3 Test Setup Diagram

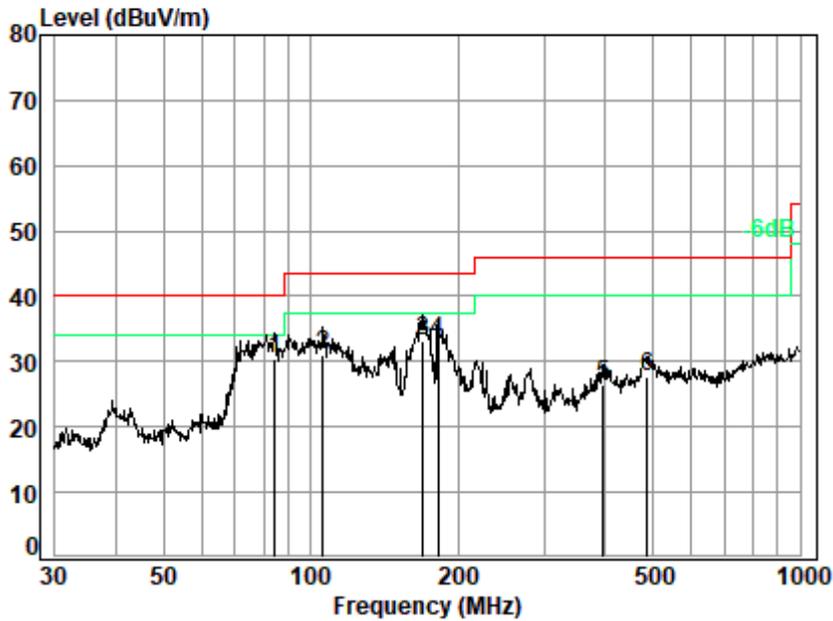


6.2.4 Measurement Procedure and Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Test Mode: 00; Polarity: Horizontal



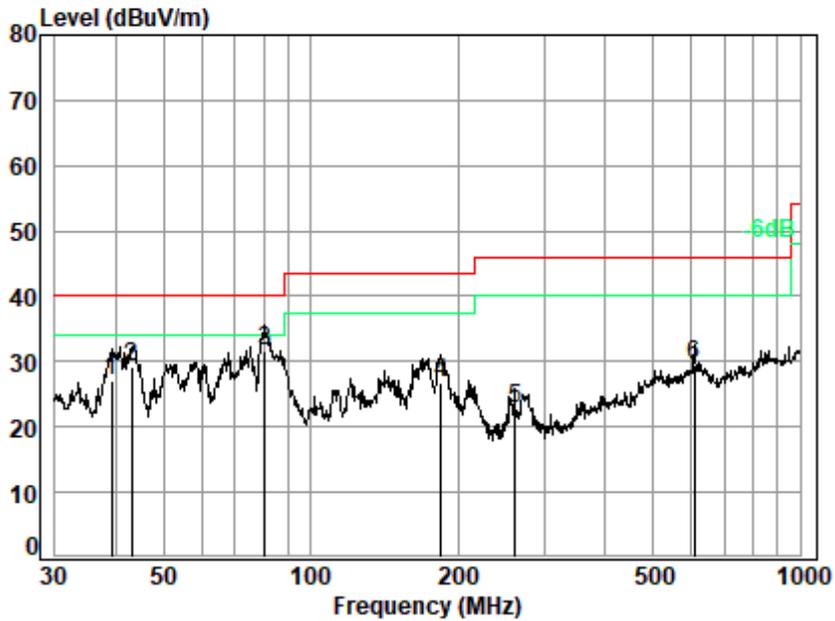
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00455AT
 Mode : 00

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	84.41	0.62	12.29	25.81	43.31	30.41	40.00	-9.59 QP
2	106.01	0.94	13.82	25.77	42.15	31.14	43.50	-12.36 QP
3	169.60	0.76	16.89	25.51	41.07	33.21	43.50	-10.29 QP
4	181.92	0.67	15.55	25.47	42.35	33.10	43.50	-10.40 QP
5	396.24	1.63	19.66	25.76	31.06	26.59	46.00	-19.41 QP
6	487.32	1.43	21.71	26.18	30.76	27.72	46.00	-18.28 QP



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Test Mode: 00; Polarity: Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00455AT
 Mode : 00

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	0.19	17.91	25.88	34.73	26.95	40.00	-13.05	QP
2	0.21	17.99	25.87	36.91	29.24	40.00	-10.76	QP
3	0.51	12.97	25.82	43.99	31.65	40.00	-8.35	QP
4	0.67	15.21	25.47	36.48	26.89	43.50	-16.61	QP
5	0.90	16.14	25.28	31.18	22.94	46.00	-23.06	QP
6	2.26	24.56	26.59	29.39	29.62	46.00	-16.38	QP

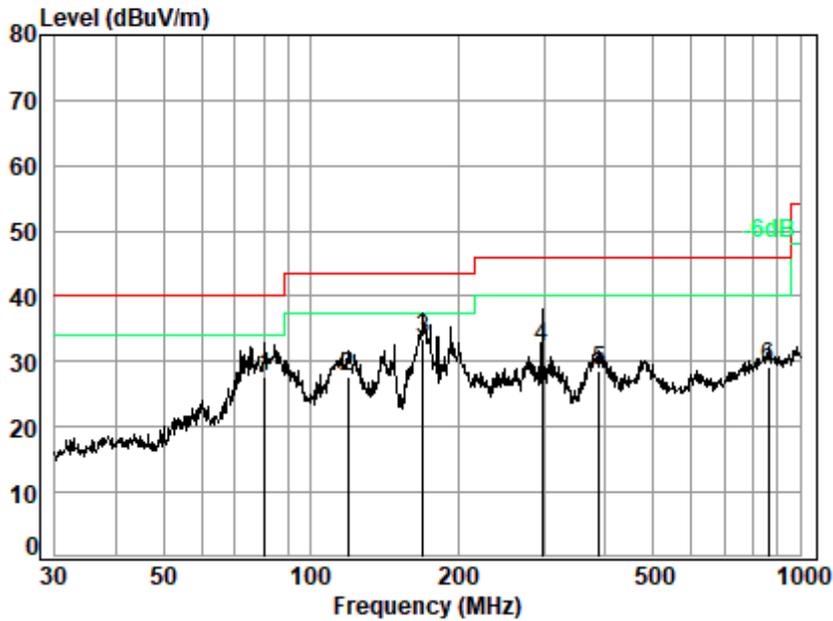


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 中国·深圳·宝安区福永街道新田社区凤塘大道50号鑫龙科技工业园A栋105室 邮编: 518103 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 02; Polarity: Horizontal

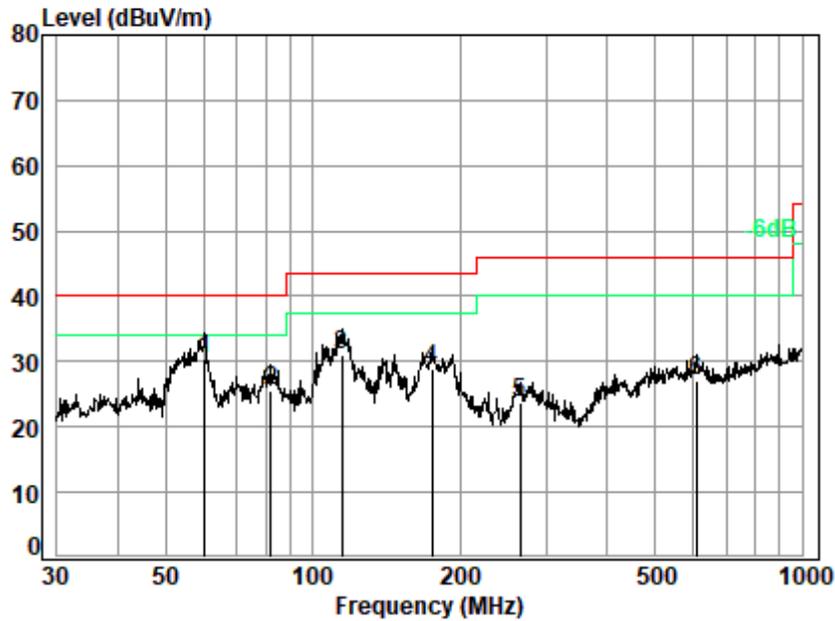


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00455AT
 Mode : 02

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	80.64	0.52	12.91	25.82	40.10	27.71	40.00	-12.29 QP
2	119.02	0.99	15.13	25.70	37.29	27.71	43.50	-15.79 QP
3	169.60	0.76	16.89	25.51	41.27	33.41	43.50	-10.09 QP
4	297.22	1.02	17.44	25.21	38.87	32.12	46.00	-13.88 QP
5	389.35	1.61	19.57	25.73	33.05	28.50	46.00	-17.50 QP
6	860.04	2.85	27.54	26.11	24.99	29.27	46.00	-16.73 QP



Test Mode: 02; Polarity: Vertical



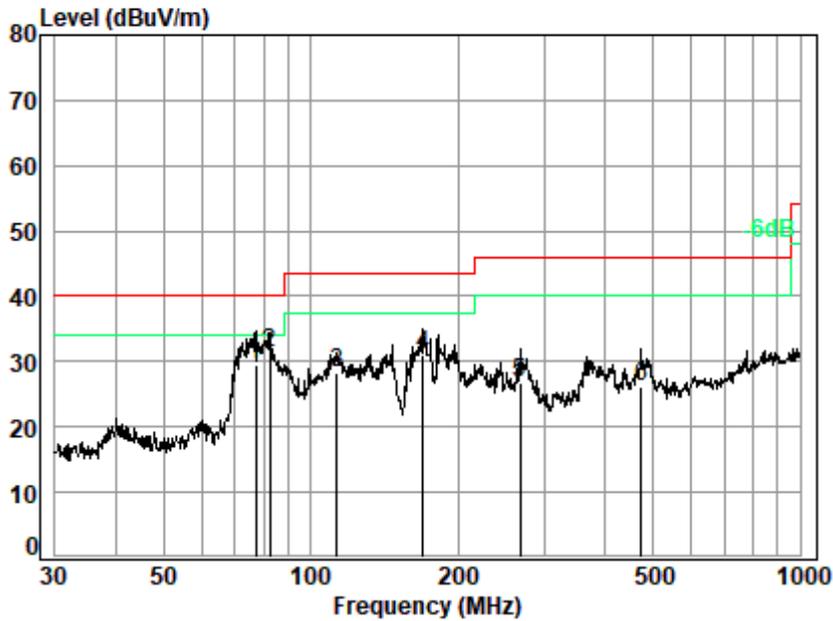
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00455AT
 Mode : 02

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	60.28	0.28	17.29	25.84	38.77	30.50	40.00	-9.50 QP
2	82.07	0.56	12.59	25.82	38.08	25.41	40.00	-14.59 QP
3	114.92	0.97	14.75	25.72	40.93	30.93	43.50	-12.57 QP
4	175.65	0.71	16.29	25.49	37.32	28.83	43.50	-14.67 QP
5	264.75	0.91	16.29	25.27	31.79	23.72	46.00	-22.28 QP
6	607.79	2.26	24.56	26.59	26.89	27.12	46.00	-18.88 QP



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Test Mode: 04; Polarity: Horizontal

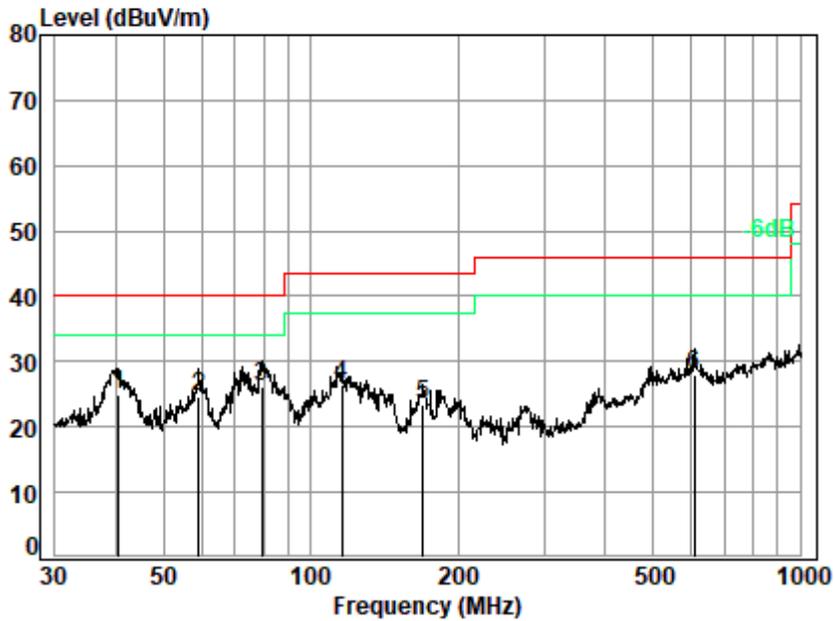


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00455AT
 Mode : 04

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	77.05	0.44	13.85	25.82	41.07	29.54	40.00	-10.46 QP
2	82.36	0.57	12.54	25.82	44.11	31.40	40.00	-8.60 QP
3	113.32	0.96	14.61	25.73	38.45	28.29	43.50	-15.21 QP
4	169.60	0.76	16.89	25.51	38.98	31.12	43.50	-12.38 QP
5	267.55	0.92	16.42	25.26	34.77	26.85	46.00	-19.15 QP
6	473.83	1.46	21.47	26.12	29.21	26.02	46.00	-19.98 QP



Test Mode: 04; Polarity: Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00455AT
 Mode : 04

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	40.56	0.19	17.95	25.88	32.69	24.95	40.00	-15.05 QP
2	59.03	0.26	17.48	25.85	32.88	24.77	40.00	-15.23 QP
3	79.24	0.48	13.26	25.82	38.30	26.22	40.00	-13.78 QP
4	115.73	0.97	14.83	25.72	36.44	26.52	43.50	-16.98 QP
5	169.60	0.76	16.89	25.51	31.38	23.52	43.50	-19.98 QP
6	607.79	2.26	24.56	26.59	27.65	27.88	46.00	-18.12 QP



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6.3 Radiated Emissions (Above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
 Test Method: ANSI C63.4:2014
 Measurement Distance: 3m

Limit:
 Above 1GHz 74(dBµV/m) peak, 54(dBµV/m) average at 3m distance
 83.54(dBµV/m) peak, 63.54(dBµV/m) average at 1m distance
 Detector: Peak for pre-scan (1MHz resolution bandwidth) 1GHz to 40GHz

6.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 20.5 °C Humidity: 52.3 % RH Atmospheric Pressure: 1000 mbar

6.3.2 Test Mode Description

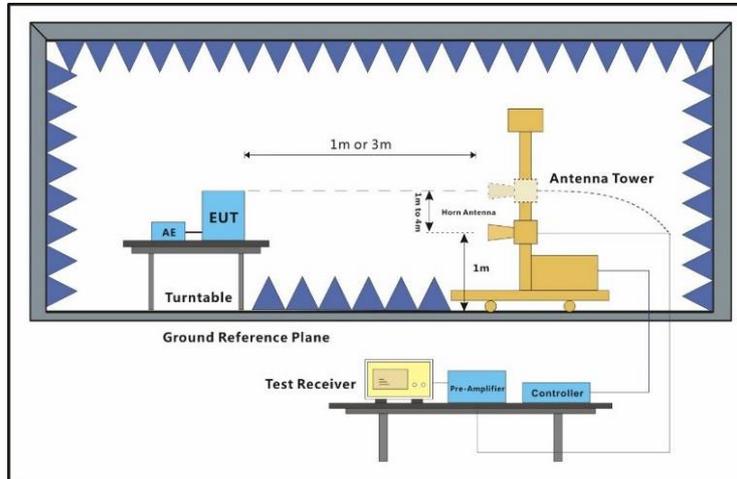
Pre-scan / Final test	Mode Code	Description
Final test	00	AC Power Supply_full load,Keep EUT be charged and working at full load mode.(USB-C1: DC5V,3A; DC9V, 3A; DC12V, 2.5A, DC15V, 2A; DC20V, 1.5A; USB-C2: DC5V/3A, DC9V/3A, DC12V/3A, DC15V/3A, DC20V/5A prescan to find worse case + USB-A: DC5-6V/3A, DC6-9V/2A, DC9-12V/1.5A prescan to find worse case +1 x car charger +light on+ light on)
Pre-scan	01	AC Power Supply_half load,Keep EUT be charged and working at half load mode.(USB-C1: DC5V,1.5A; DC9V, 1.5A; DC12V, 1.25A, DC15V, 1A; DC20V, 0.75A; USB-C2: DC5V/1.5A, DC9V/1.5A, DC12V/1.5A, DC15V/1.5A, DC20V/2.5A prescan to find worse case + USB-A: DC5-6V/1.5A, DC6-9V/1A, DC9-12V/0.75A prescan to find worse case +1 x car charger +light on+ light on)
Pre-scan	02	DC Power Supply_full load,Keep EUT be charged and working at full load mode.(USB-C1: DC5V,3A; DC9V, 3A; DC12V, 2.5A, DC15V, 2A; DC20V, 1.5A; USB-C2: DC5V/3A, DC9V/3A, DC12V/3A, DC15V/3A, DC20V/5A prescan to find worse case + USB-A: DC5-6V/3A, DC6-9V/2A, DC9-12V/1.5A prescan to find worse case +1 x car charger +light on+ light on)
Pre-scan	03	DC Power Supply_half load,Keep EUT be charged and working at half load mode.(USB-C1: DC5V,1.5A; DC9V, 1.5A; DC12V, 1.25A, DC15V, 1A; DC20V, 0.75A; USB-C2: DC5V/1.5A, DC9V/1.5A, DC12V/1.5A, DC15V/1.5A, DC20V/2.5A prescan to find worse case + USB-A: DC5-6V/1.5A, DC6-9V/1A, DC9-12V/0.75A prescan to find worse case +1 x car charger +light on+ light on)
Pre-scan	04	Normal working without charging_full load,Keep EUT working at full load mode.(3 x AC output 120V 1500W+ USB-C1: DC5V,3A; DC9V, 3A; DC12V, 2.5A, DC15V, 2A; DC20V, 1.5A; USB-C2: DC5V/3A, DC9V/3A, DC12V/3A, DC15V/3A, DC20V/5A prescan to find worse case + USB-A: DC5-6V/3A, DC6-9V/2A, DC9-12V/1.5A prescan to find worse case +1 x car charger +light on+ light on)
Pre-scan	05	Normal working without charging_half load,Keep EUT working at half load mode.(3 x AC output 120V 750W+ USB-C1: DC5V,1.5A; DC9V, 1.5A; DC12V,



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		1.25A, DC15V, 1A; DC20V, 0.75A; USB-C2: DC5V/1.5A, DC9V/1.5A, DC12V/1.5A, DC15V/1.5A, DC20V/2.5A prescan to find worse case + USB-A: DC5-6V/1.5A, DC6-9V/1A, DC9-12V/0.75A prescan to find worse case +1 x car charger +light on+ light on)
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6.3.3 Test Setup Diagram



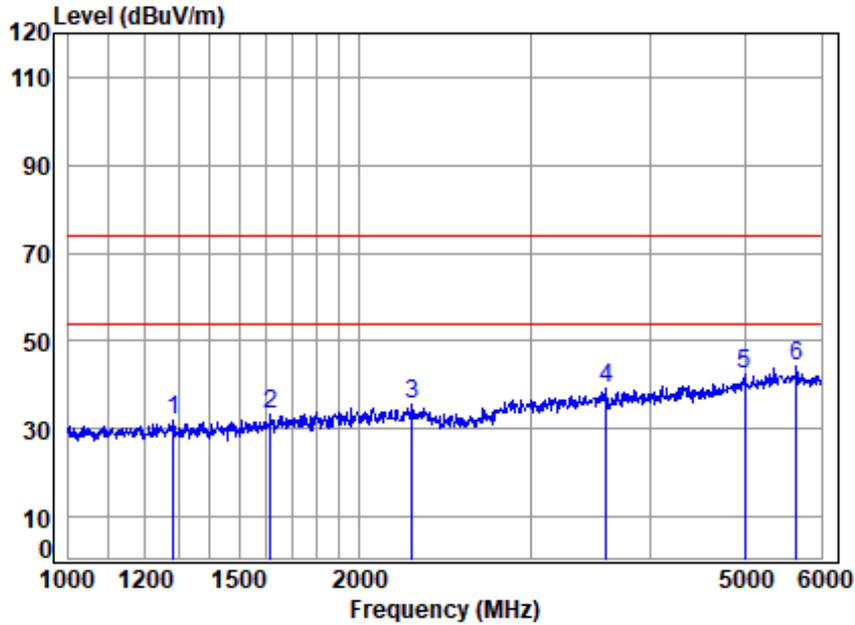
6.3.4 Measurement Procedure and Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

The red line show in graphic is the limit in standard used in this section.

Remark: $Level = Read\ Level + Cable\ Loss + Antenna\ Factor - Preamp\ Factor$

Test Mode: 00; Polarity: Horizontal

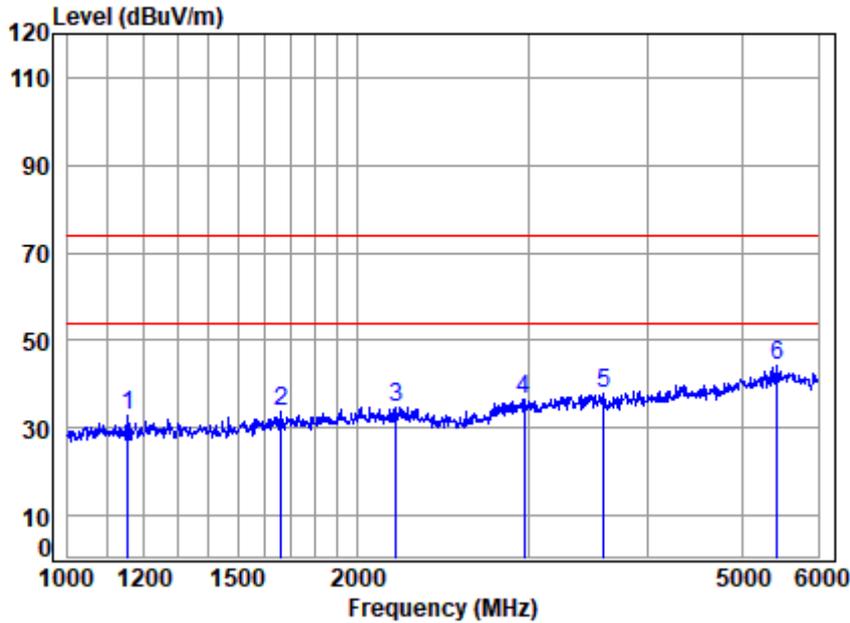


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00455AT
 Mode : 00
 Note :

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.81	3.38	24.26	52.72	57.13	32.05	74.00	-41.95	Peak
2	1616.38	4.03	24.83	52.92	57.55	33.49	74.00	-40.51	Peak
3	2263.79	5.11	26.87	53.10	56.65	35.53	74.00	-38.47	Peak
4	3594.18	7.29	28.86	52.91	56.00	39.24	74.00	-34.76	Peak
5	5006.77	8.79	31.42	53.10	55.15	42.26	74.00	-31.74	Peak
6	5655.52	8.36	32.54	52.90	56.19	44.19	74.00	-29.81	Peak



Test Mode: 00; Polarity: Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00455AT
 Mode : 00
 Note :

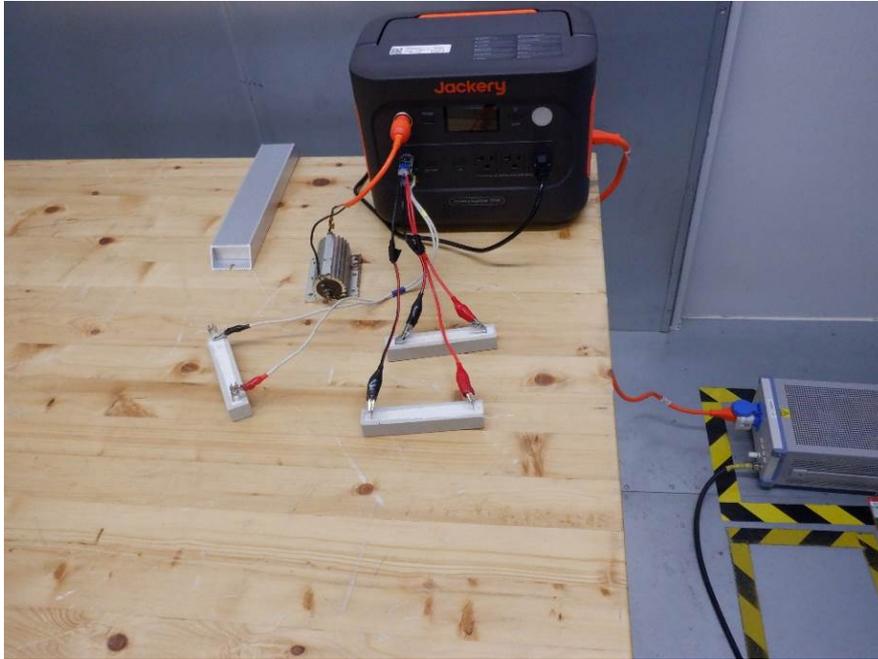
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1154.12	3.15	24.26	52.62	58.02	32.81	74.00	-41.19	Peak
2	1666.38	4.15	24.94	52.94	57.78	33.93	74.00	-40.07	Peak
3	2188.02	5.05	26.68	53.10	56.16	34.79	74.00	-39.21	Peak
4	2972.46	5.78	28.54	53.10	55.24	36.46	74.00	-37.54	Peak
5	3594.18	7.29	28.86	52.91	54.74	37.98	74.00	-36.02	Peak
6	5436.92	8.63	32.45	52.96	56.00	44.12	74.00	-29.88	Peak



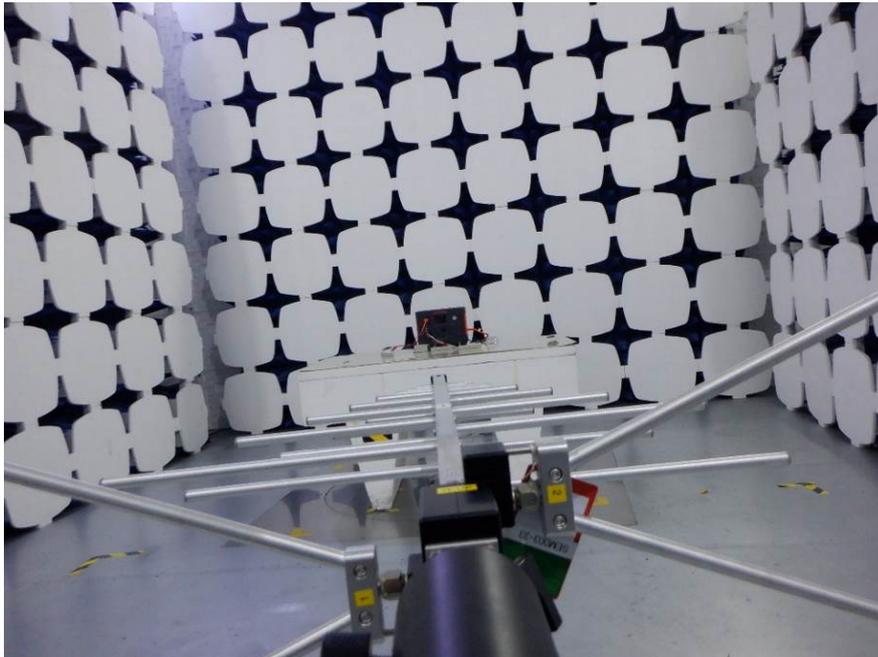
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7 Test Setup Photo

Conducted Emissions at Mains Terminals (150kHz-30MHz)



Radiated Emissions (30MHz-1GHz)



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8 EUT Construnctional Details (EUT Photos)



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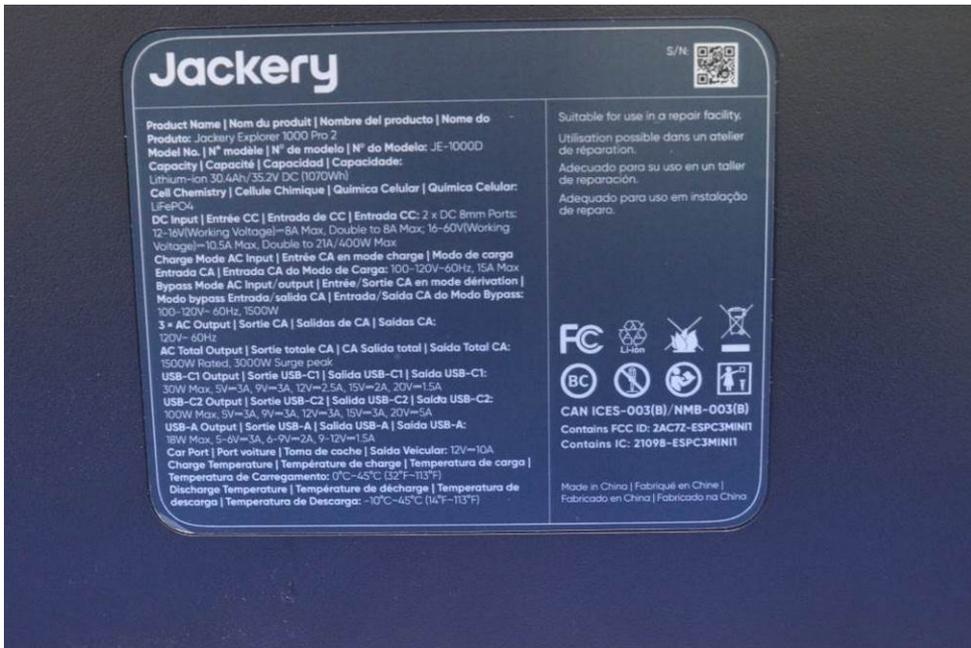
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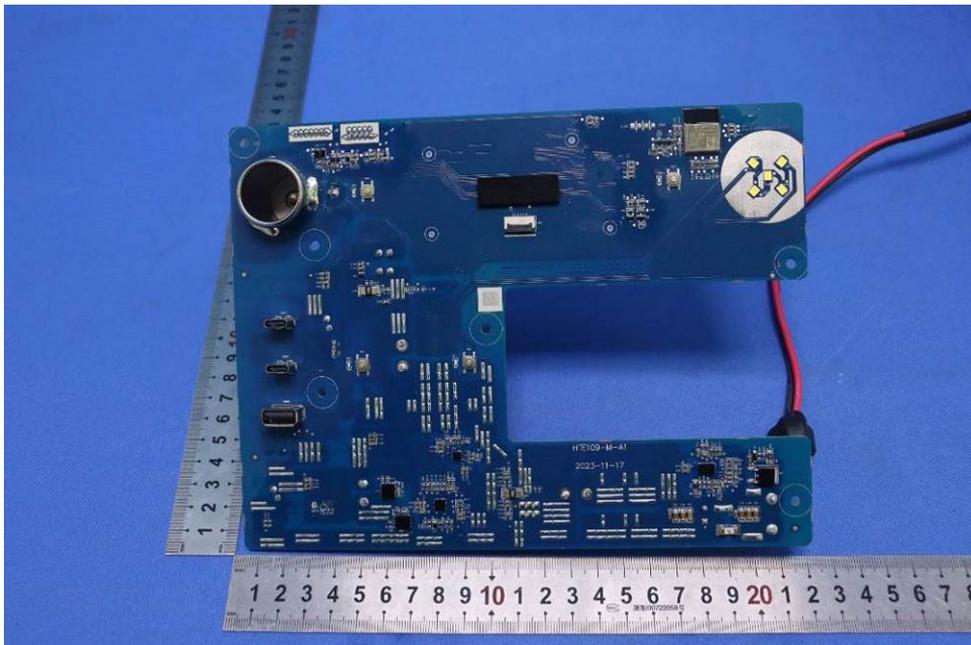
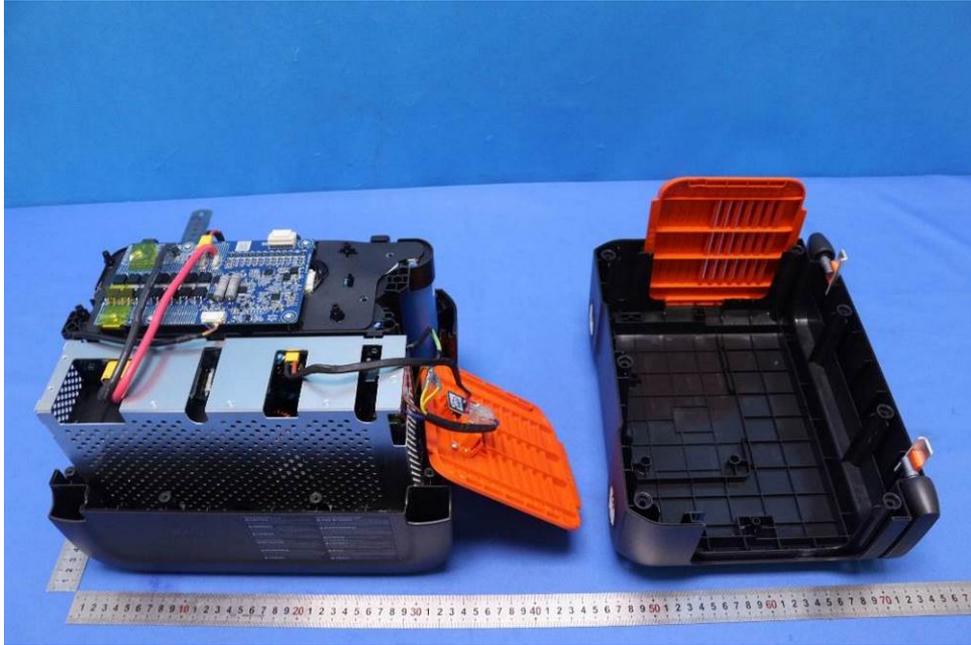
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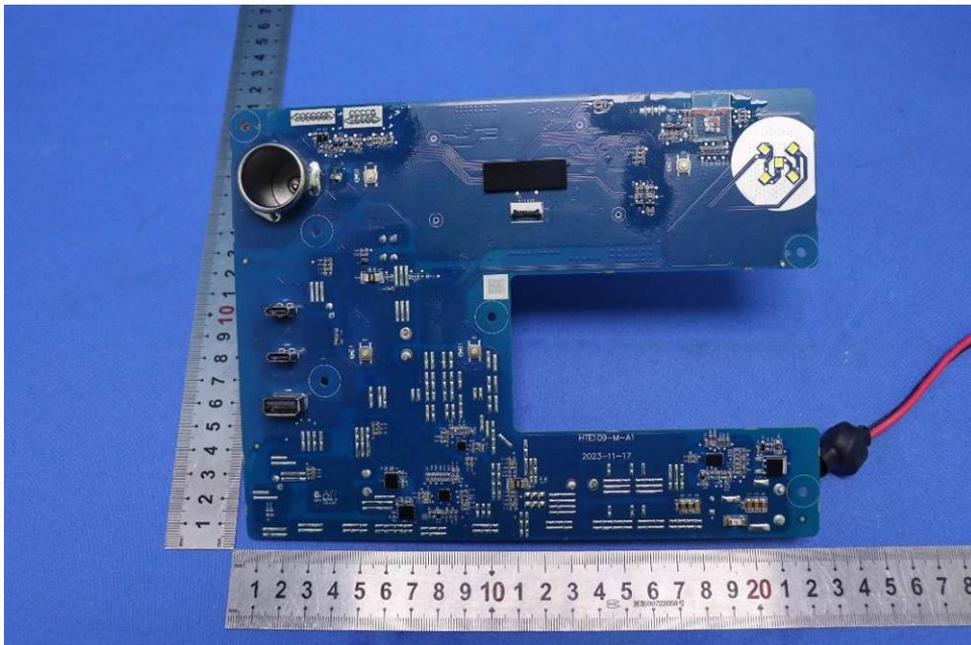
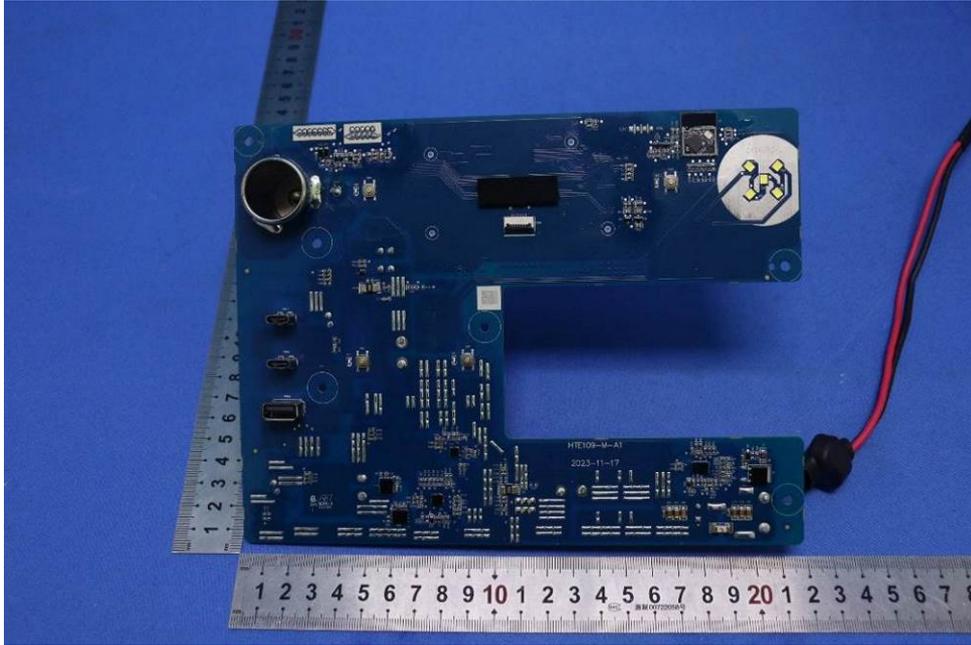
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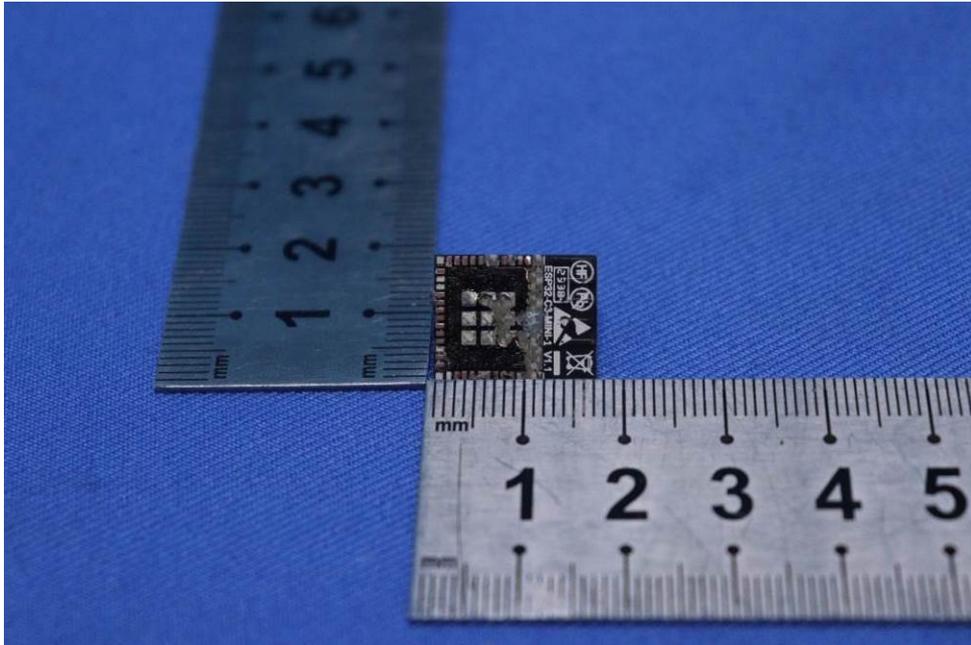
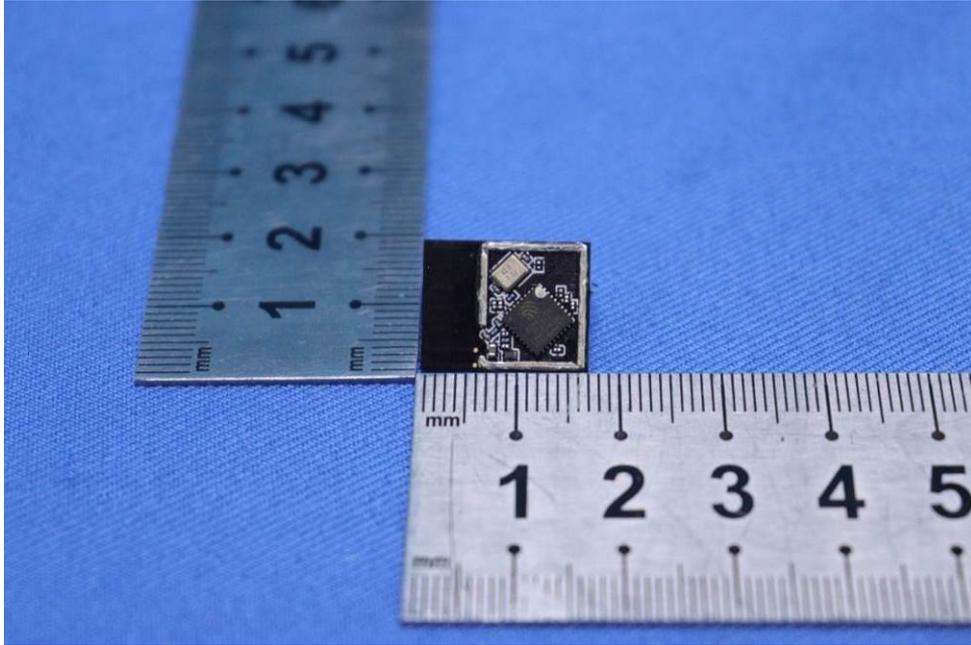
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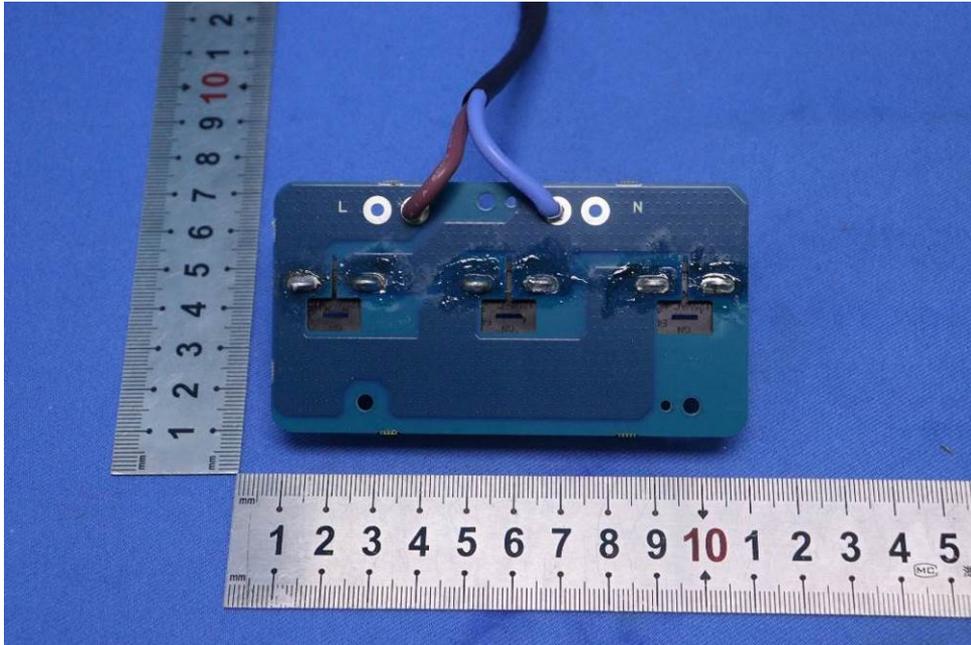
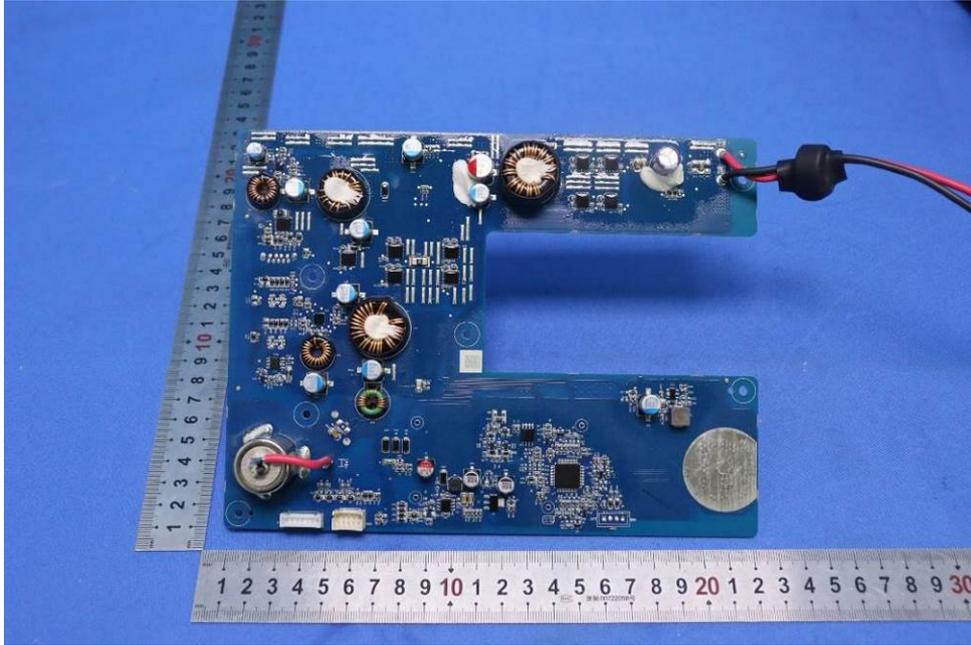
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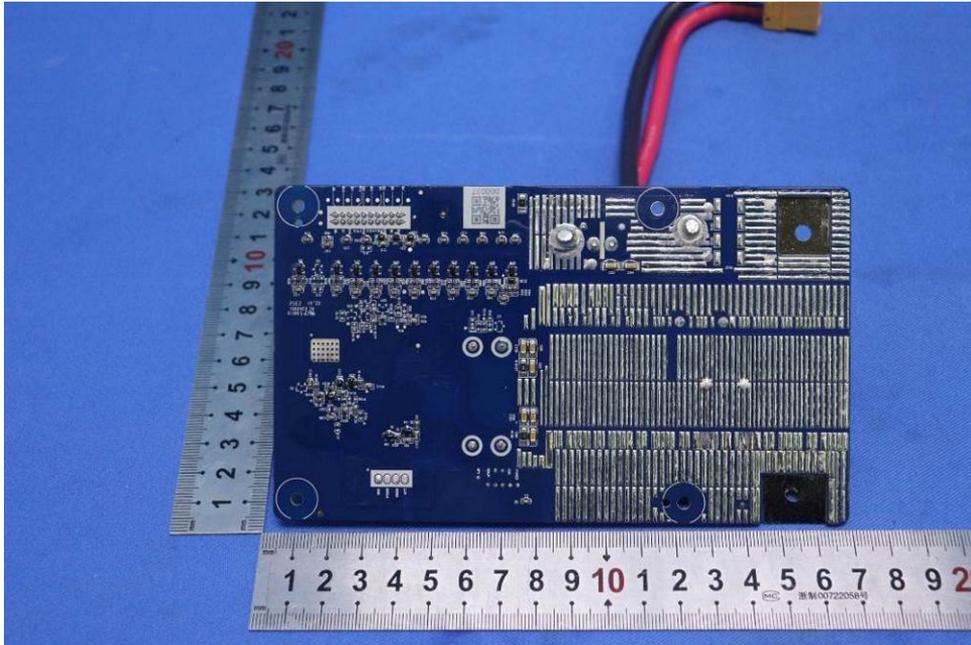
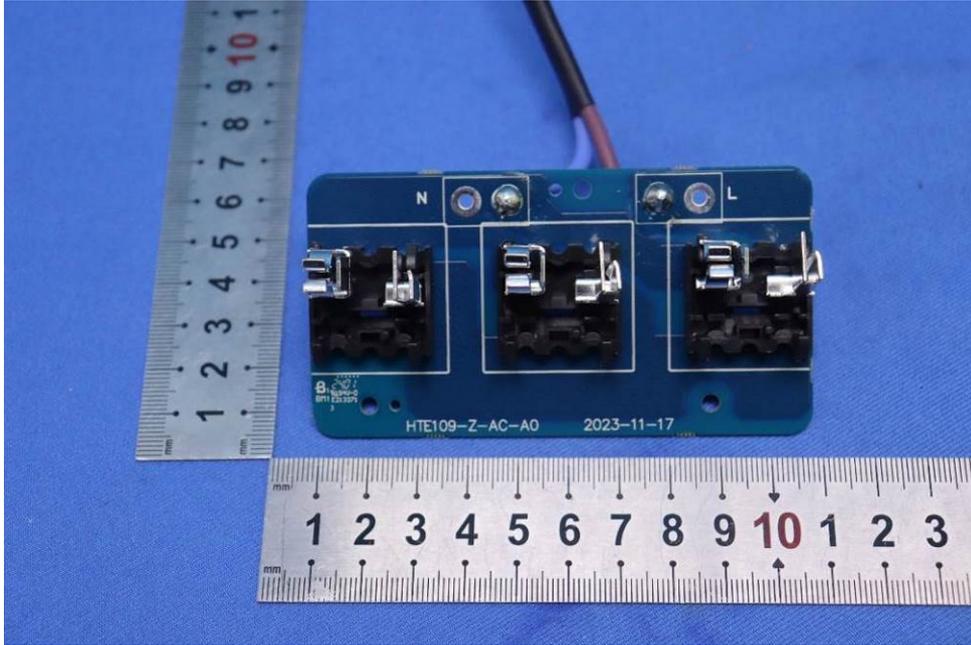
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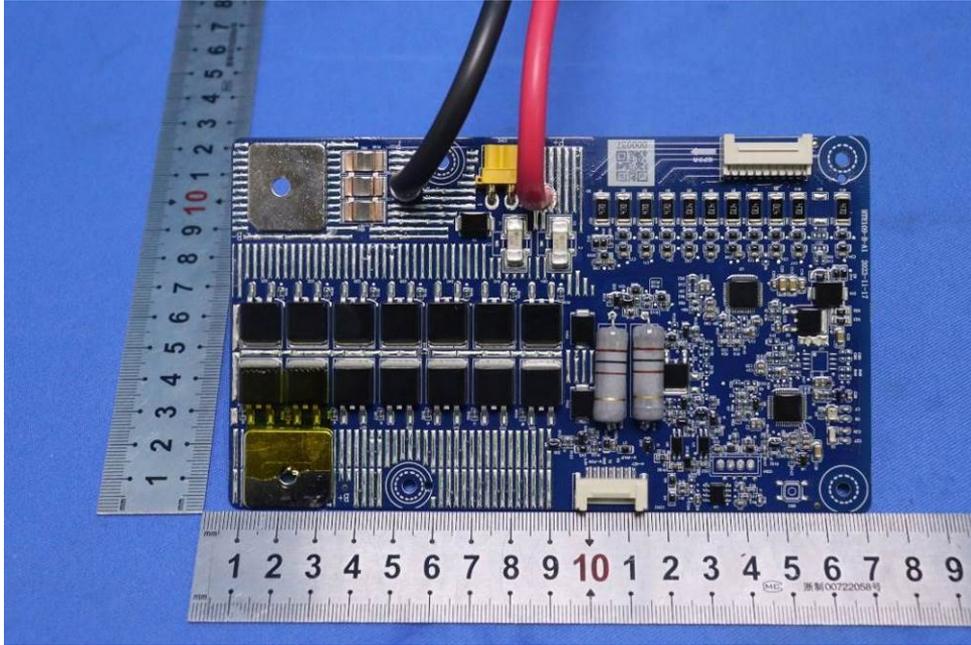
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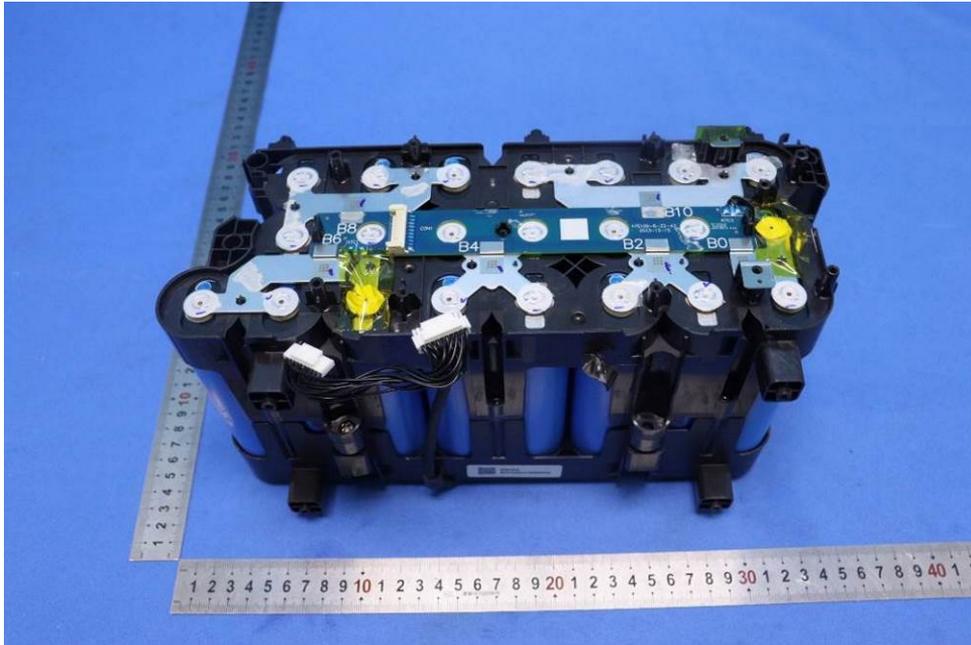
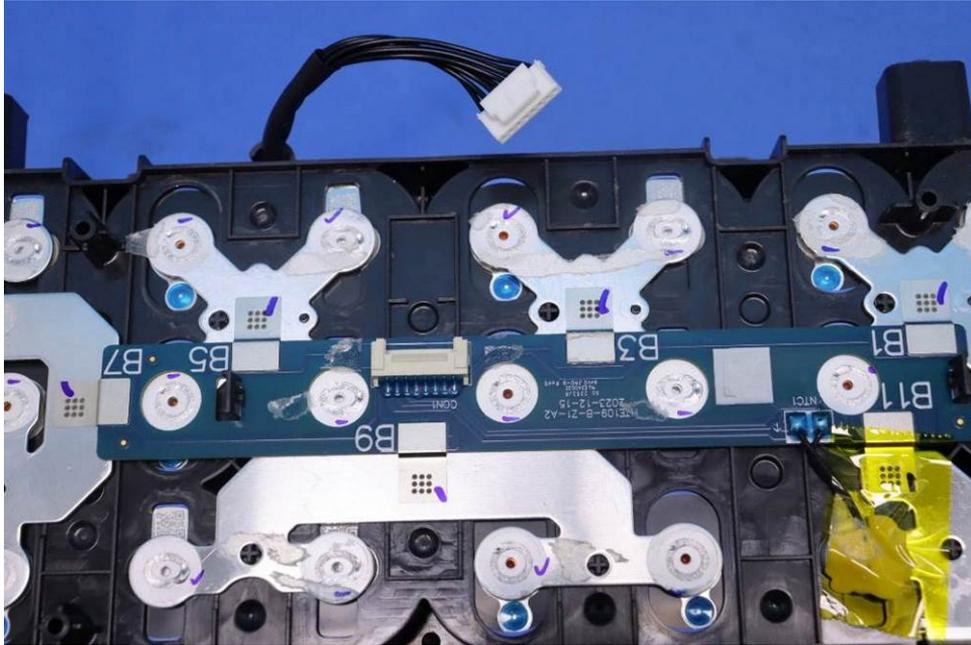
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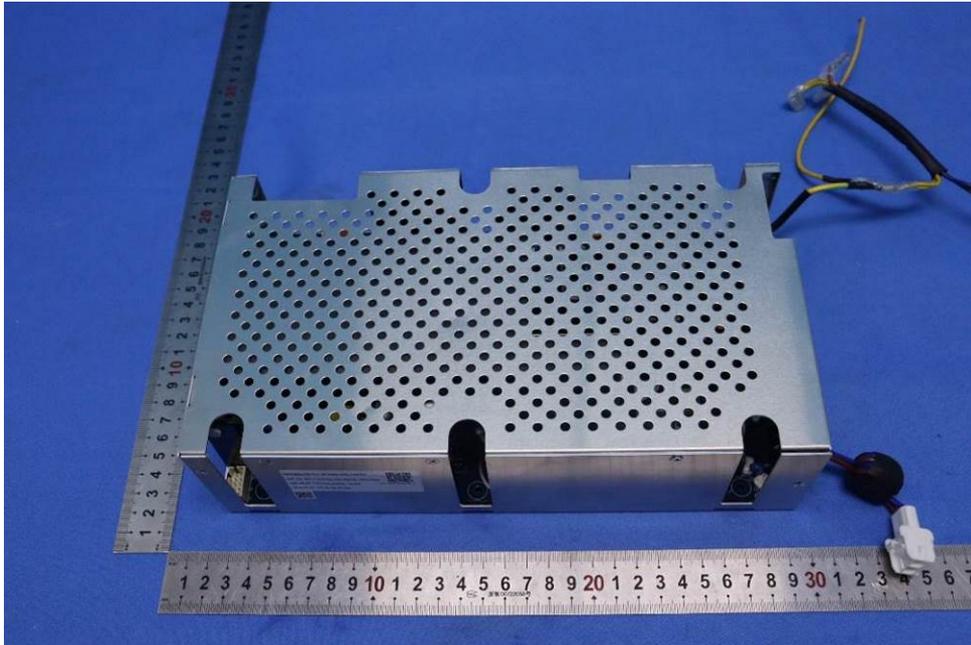
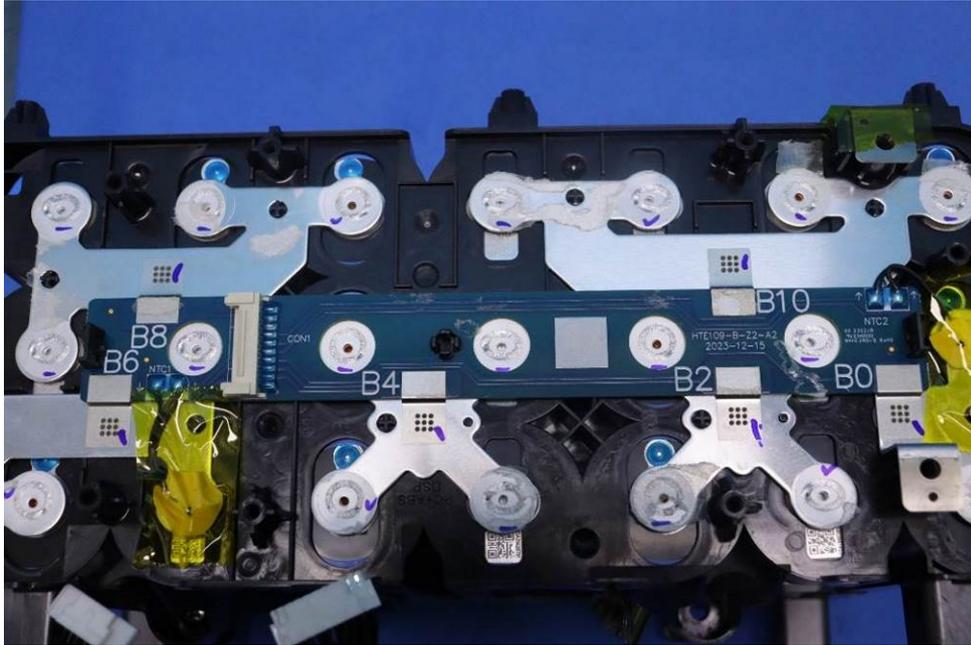


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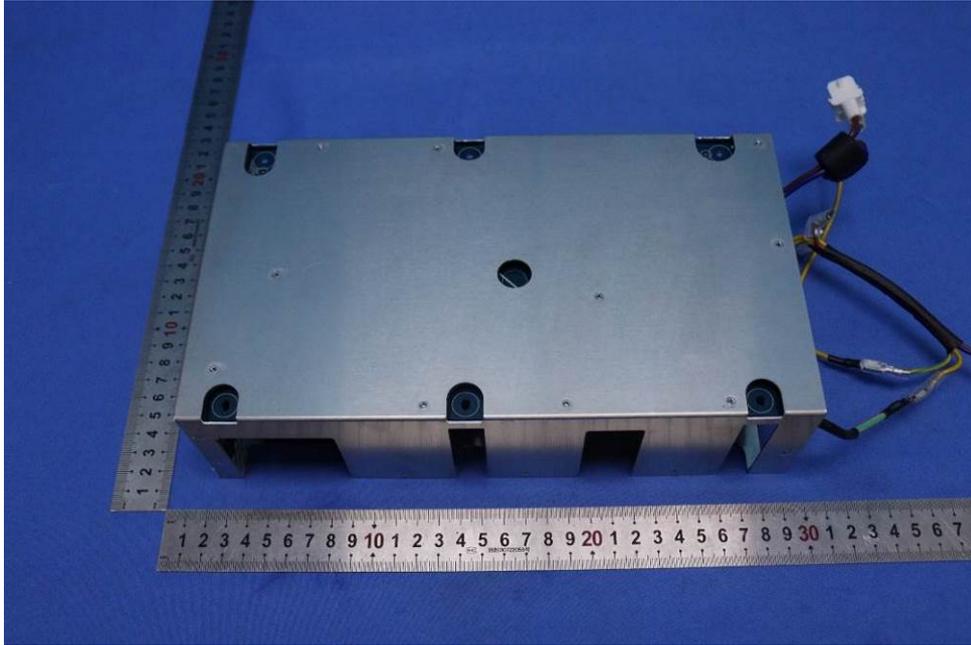




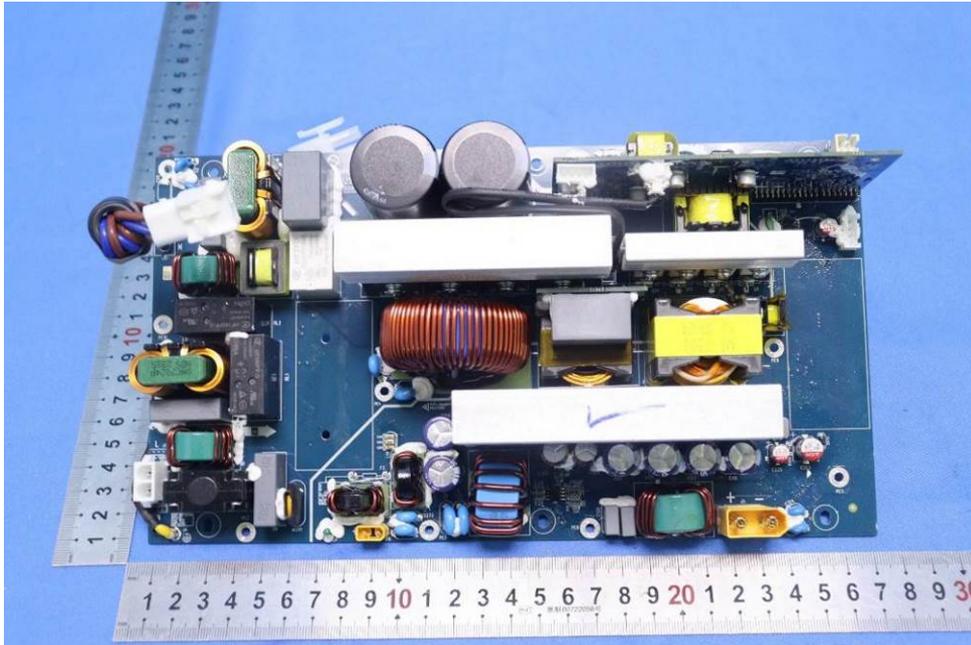
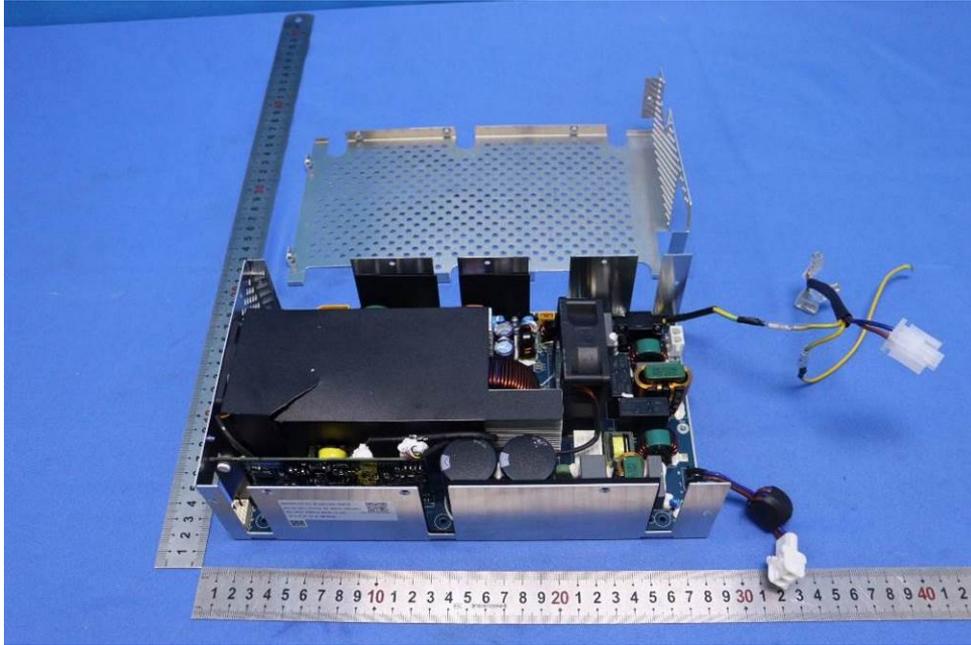


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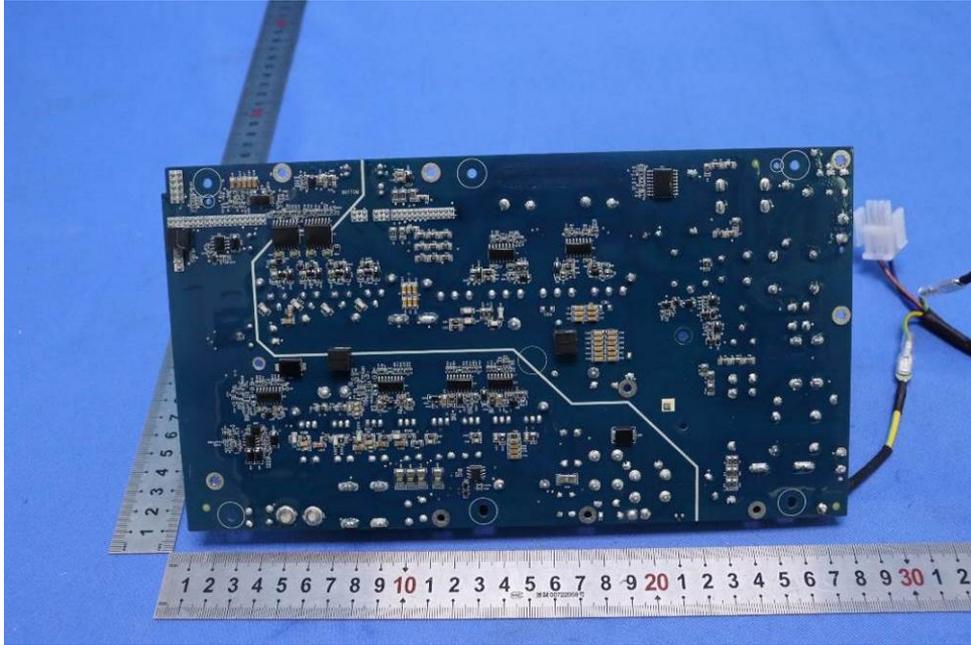


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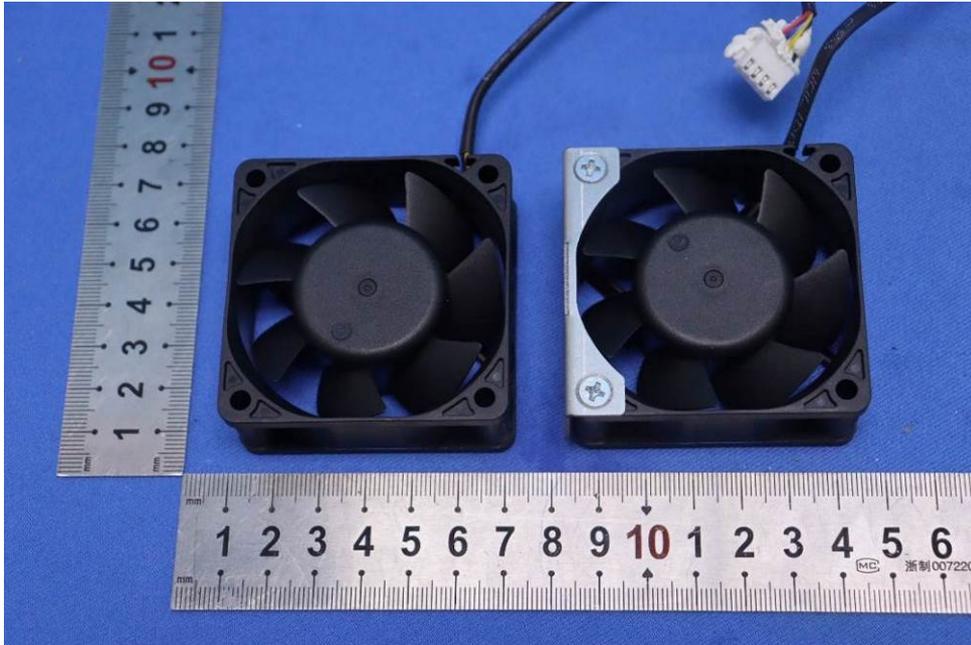
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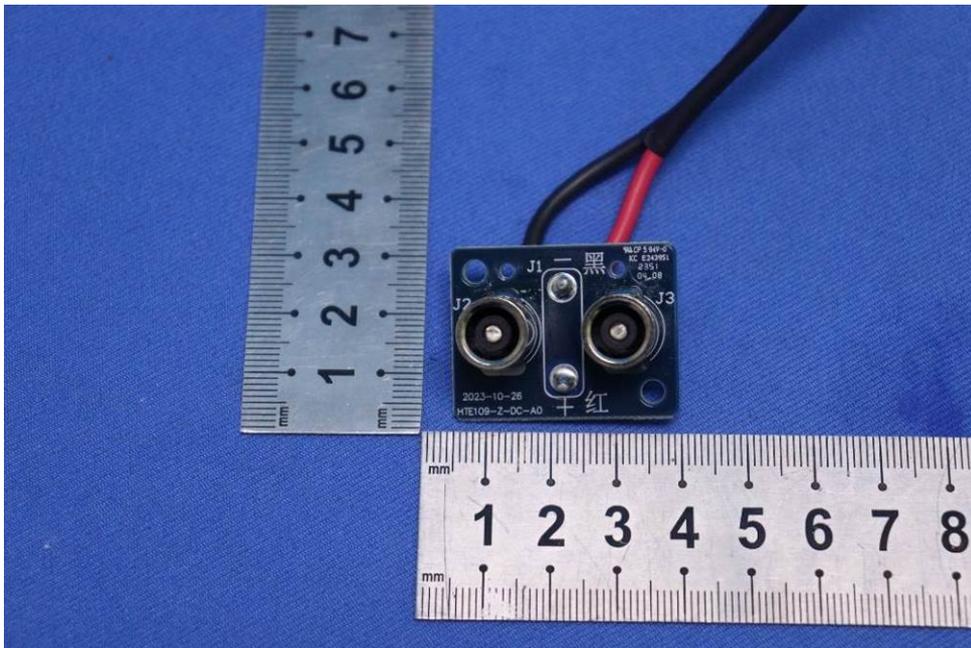


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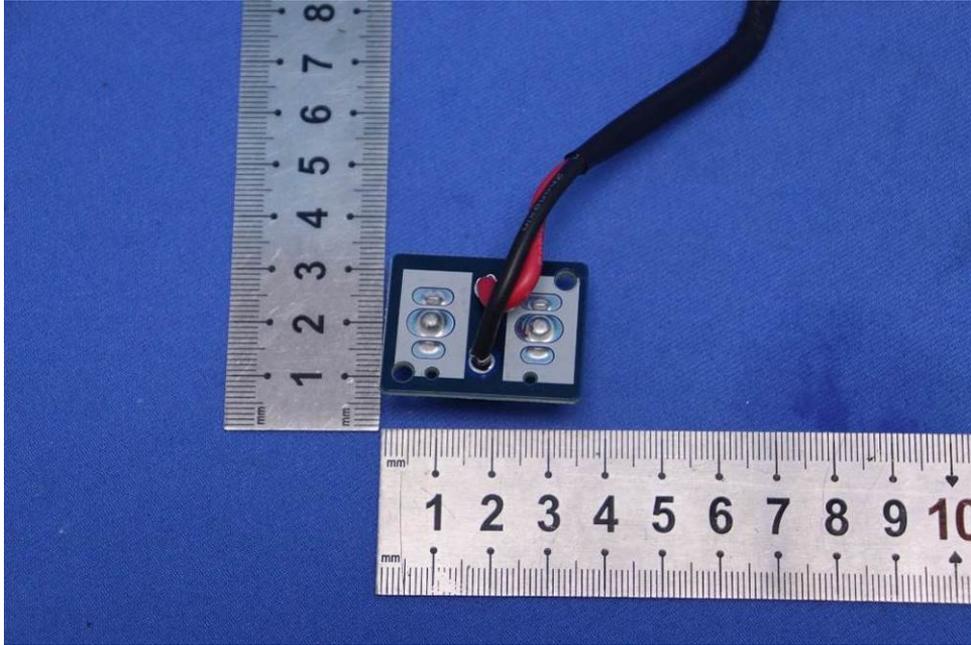


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