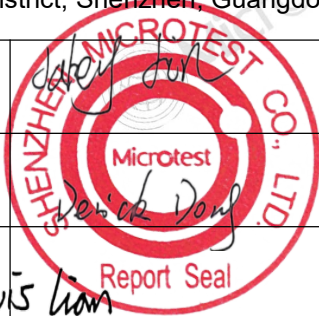


WEEE Disassembly Report

Report No. : MTi250107021-0208S1
Date of Issue : 2025-04-27
Applicant : Heltec Automation Technology Co., Ltd
Product : MeshPocket
Test Type : Commissioned Inspection

Shenzhen Microtest Co., Ltd.

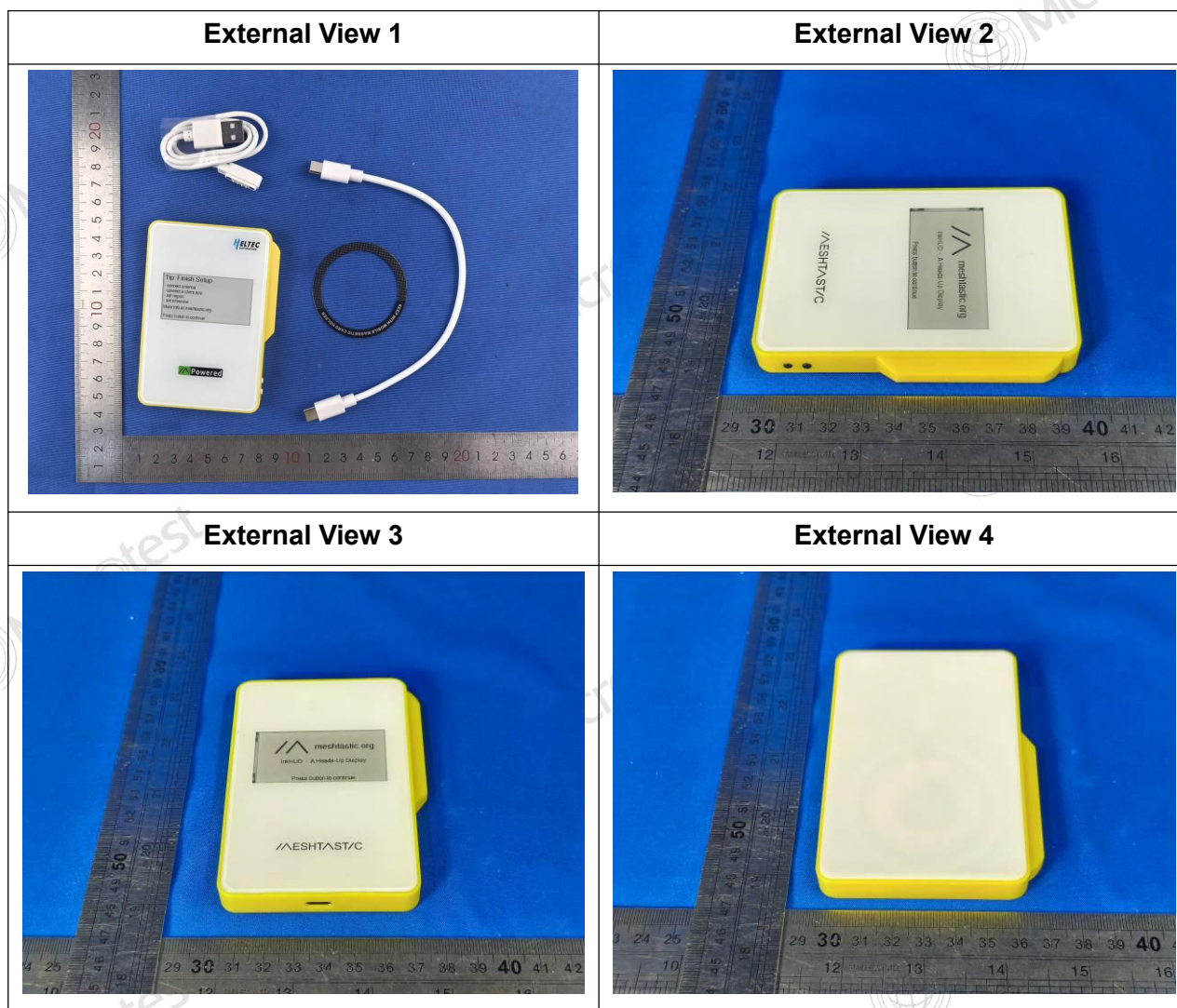


Applicant	Heltec Automation Technology Co., Ltd	
Address	1f, No.54,56,58, Zirui North Street,Gaoxin District, Chengdu	
Manufacturer	Heltec Automation Technology Co., Ltd	
Address	1f, No.54,56,58, Zirui North Street,Gaoxin District, Chengdu	
Product Name	MeshPocket	
Product Model	HT-298A, HT-298B, HT-298C, HT-298D, HT-298G, HT-298P, HT-298S, HT-298T, HT-298Z	
Product Weight	172g	
Product Size	74.1mm x 101.9mm x 12.3mm	
Date of Tests	2025-04-22 to 2025-04-27	
Test Specification	Waste Electrical and Electronic Equipment (WEEE) Directive- 2012/19/EU	
Category under the WEEE Directive	6th (Small equipment)	
Test result	Refer to the following page(s)	
Testing Laboratory	Shenzhen Microtest Co., Ltd.	
Testing location/ address	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China.	
Prepared by:	Jakey Jin	
Reviewed by:	Derick Dong	
Approved by:	Lewis Lian	

1. Result of Reuse/Recycling/Recovery Assessment

Reuse/Recycling/Recovery	Reuse/Recycling (%)	Recovery (%)
Waste Electrical and Electronic Equipment (WEEE) Directive (2012/19/EU)	55	75
Result of Assessment	86.9	86.9
WEEE requirement compliance	Pass	Pass
Remark: All models have same diagram circuit, PCB layout, except different model names and colour.		

2. Appearance of the product

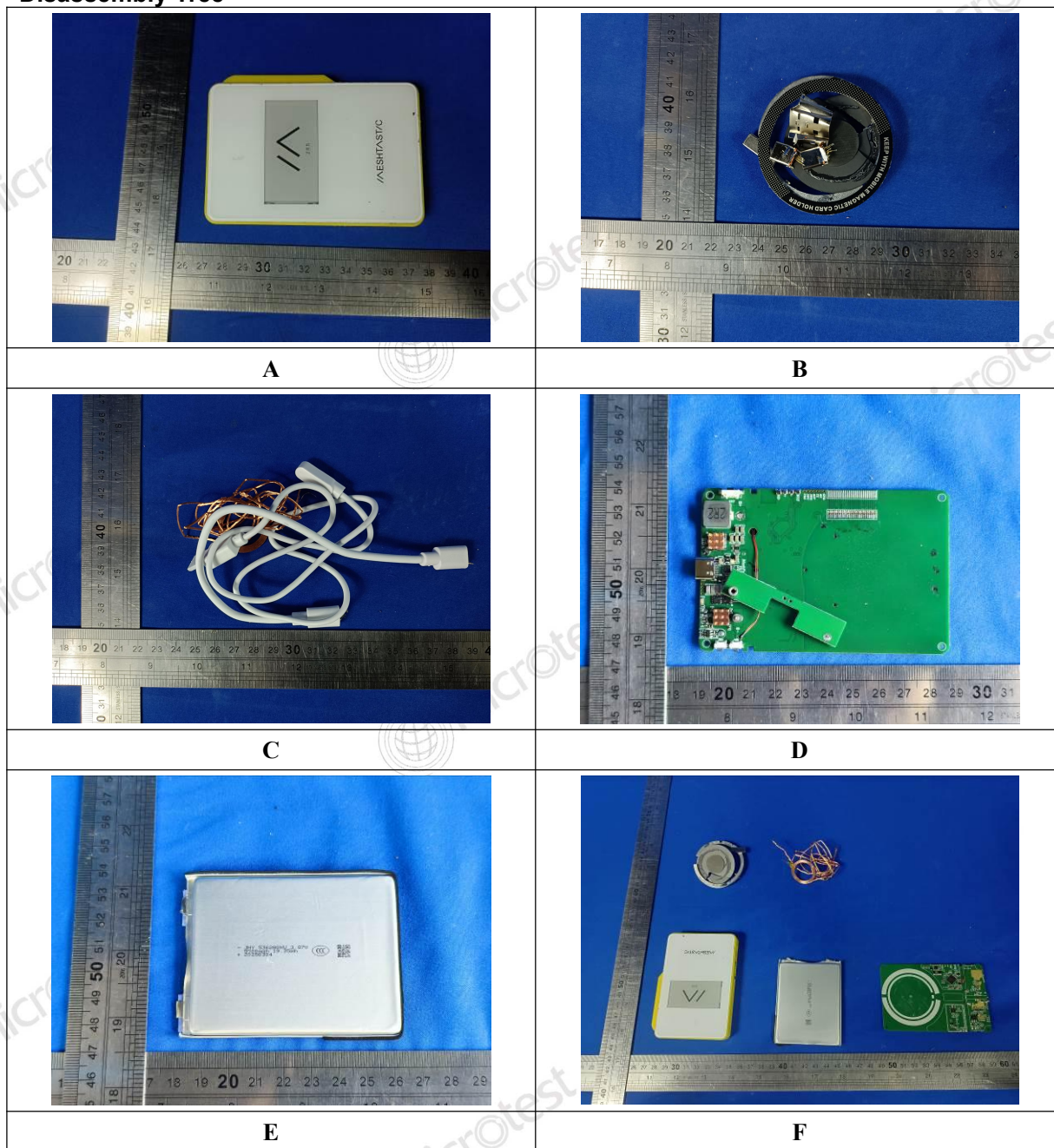


3. Selective Treatment for Materials and Components

According to Article 8(2) and te annex VII of the WEEE Directive, this product contains components and material items are described in the following table.

Component/Material	Size & Quantity	Weight (g)
Printed circuit boards of mobile phone generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimeters	60.48Cm ² , 2	20.0

4. Disassembly Tree



5. Disassembly procedure

The disassembly procedure taken here is in accordance with the treatment requirements under the Annex VII of the WEEE Directive. In additions, to consider economic and efficiency factors, manual operation and disassembly tools have been applied to separate the components and materials from this product in order to simulate the scenario at the treatment facility, and to achieve the objective that the separated components and materials can be reused, recycled and recovered.

5.1 Disassembly tool:

The disassembly tools used for this product show as following:

Disassembly Tool	Pictures
Diagonal Pliers	
Cross screwdriver	
Scissors	
Straight screwdriver	

5.2 Disassembly time: 10 minutes

6. Materials and Recycling Information

According to the information declared by the applicant company, the material and recycling information for this product is described in the following table.

The reuse, Recycling and recovery assessment for this product is based upon economic and efficiency considerations, and the waste treatment technologies and equipment that are most frequently available to the market.

Photo No.	Component/Material Composition	Weight (g)	Percent Weight (%)	Reuse/Recycling (%)	Energy Recovery (%)	Recovery (%)
A	Plastic	36.0	20.9	17.7	--	17.7
B	Metal materials	22.0	12.7	12.0	--	12.0
C	Wire	26.0	15.2	12.1	--	12.1
D	PCB	20.0	11.7	10.5	--	10.5
E	Battery	68.0	38.5	34.6	--	34.6
G	Total	172	100	86.9	--	86.9

Note:

Due to their insignificant weight and the difficulty of their separation in a manual operation, sticker, solder, paint and printing materials are not included in this assessment.

Plastic containing brominated flame retardants is not assessed in the list.

Symbol for the marking of electronic equipment



7. Recycling and recovery rate calculation

Reuse Recycling & Recovery Rate using in the report are calculated as following formulas:

Reuse & Recycling Rate (%) = Reuse & Recycling Weight / Product total weight

Recovery Rate = Reuse & Recycling Weight + Energy Recovery Weight / Product total weight

Total weight of the product is including the main product and accessories.

8. ANNEX VII of WEEE Directive

Selective treatment for materials and components of waste electrical and electronic equipment: Polychlorinated biphenyls (PCB) containing capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT) (1),

- Mercury containing components, such as switches or backlighting lamps,
- Batteries,

- Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board of greater than 10 square centimeters,
- Toner cartridges, liquid and pasty, as well as colour toner,
- Plastic containing brominated flame retardants,
- Asbestos waste and components which contain asbestos,
- Cathode ray tubes,
- Chlorofluorocarbons(CFC), hydro chlorofluorocarbons (HCFC) or hydro fluorocarbons(HFC), hydrocarbons (HC)
- Gas discharge lamps,
- Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimeters and all those back-lighted with gas discharge lamps,
- External electric cables,
- Components containing refractory ceramic fibers as described in commission directive 97/69/EC of 5 December 1997 adapting to technical progress council directive 67/548/EEC relating to the classification, packaging and labeling of dangerous substances,
- Components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and Annex I to Council Directive 96/29/Erratum of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation,
- Electrolyte capacitors containing substance of concern (height>25mm, diameter>25mm or proportionately similar volume)

9. Recommendations for WEEE Directive compliance

- In order to avoid the product not meeting the reuse/recycling/recovery targets regulated under the WEEE Directive and the regulations of EU countries, the applicant company should, when selecting material and components design, consider they can be easy to reuse and recycle. This consideration will lessen the impact of the required international environmental directives and also improve the product's competitiveness.
- It is recommended that the applicant company, when designing new product, especially where components and materials have a large weight ratio, should consider using recyclable materials in order to increase the product's reuse/recycling/recover ratio.
- The product should apply to the RoHS Directive (Directive 2012/19/EU on the restriction of the use of certain hazardous substances in electrical and electronics equipment). The hazardous substance specification in the directive should be controlled in the homogenous material of this product.
- If a product has change its product design, or materials or components employed, then the product should be reassessed and retested in accordance with the WEEE Directive for reuse/recycling/recovery assessment and RoHS for restricted/banned substances requirements.

Statement

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2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

***** END OF REPORT *****