
Test Report

Report No. : AGC13697230101-005S1

SAMPLE NAME : 4G Mobile WiFi
MODEL NAME : MT504
APPLICANT : MeiG Smart Technology Co., Ltd
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Feb .01, 2023

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.



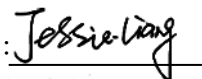
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Applicant : MeiG Smart Technology Co., Ltd
 Address : 2ndFloor, OfficeBuilding, No.5LingxiaRoad, Fenghuang, Fuyong Street,
 Bao'an District, Shenzhen, China.
 Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,
 Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name : 4G Mobile WiFi
 Sample total weight : 160.34g
 Material : Plastic
 Model : MT504
 Manufacturer : MeiG Smart Technology Co., Ltd
 Address : 2ndFloor, OfficeBuilding, No.5LingxiaRoad, Fenghuang, Fuyong Street,
 Bao'an District, Shenzhen, China.
 Supplier : MeiG Smart Technology Co., Ltd
 Sample Received Date : Jan. 09, 2023
 Testing Period : Jan. 09, 2023 to Jan. 14, 2023

WEEE Directive Category: 6 Small IT and telecommunication equipment (no external dimension more than 50 cm)		
Result of Reuse /Recycling /Recovery Assessment		
Reuse /Recycling /Recovery	Reuse /Recycling (%)	Recovery (%)
Reuse /Recycling /Recovery Targets under the 2012/19/EU WEEE Directive	55	75
Result of Assessment	75.24	75.24
WEEE requirement compliance	OK	OK

Approved by : 

Liangdan, Jessie.Liang

Technical Director

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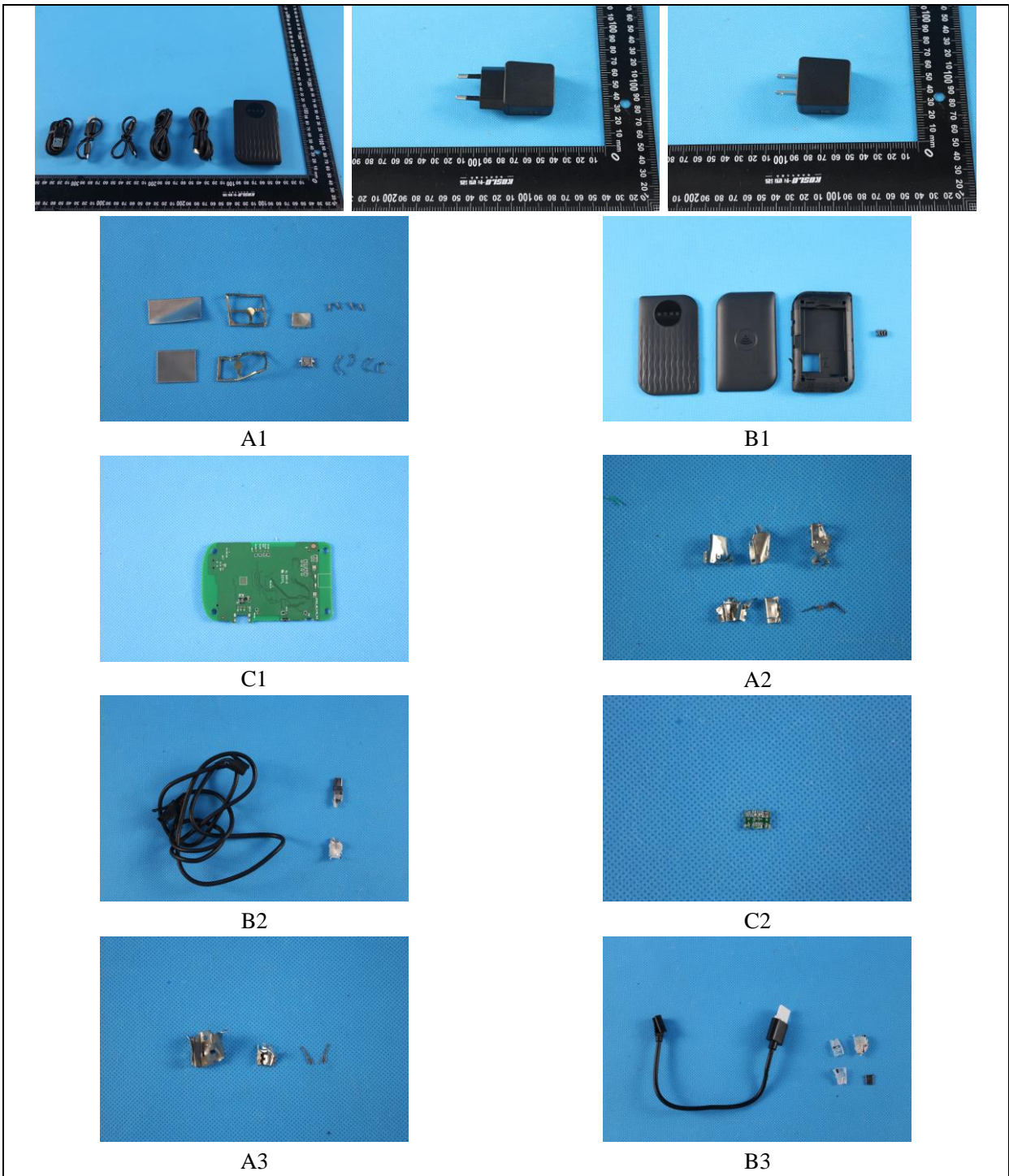
Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Jan. 14, 2023	Invalid	Initial release
S1	Feb. 01, 2023	Valid	Modification of sample name

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Contents:

1. Disassembly Tree



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2. Disassembly Procedure

The disassembly procedure taken here is in accordance with the treatment requirements under the Annex VII of the WEEE Directive. In addition, 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.

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3. Disassembly tool

The disassembly tools used for this product show as following:

Disassembly Tool	Pictures	Disassembly Tool	Pictures
Diagonal Pliers		Knife	
Screwdriver		Pruning shears	

4. Dismantling time

40 minutes

5. Selective Treatment for Materials and Components

According to Articles 6(1) and the Annex VII of the WEEE Directive, this product contains components and material items are described in the following table.

Component/Material	Photo No.	Size &Quantity	Weight (g)
Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres	PCB board (Host) C1	45.6cm ²	11.28

6. Material 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 (%)
A1	Metal (Host)	3.77	2.86	2.35	-	2.35
B1	Plastic (Host)	24.67	18.70	15.39	-	15.39
C1	PCB board (Host)	11.28	8.55	-	-	-
A2	Metal (Data line)	1.65	1.25	1.03	-	1.03
B2	Plastic (Data line)	13.89	10.53	8.66	-	8.66
C2	PCB board (Data line)	0.09	0.07	0.06	-	0.06
A3	Metal (Short data line)	1.09	0.83	0.68	-	0.68

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B3	Plastic (Short data line)	6.45	4.89	4.02	-	4.02
A4	Metal (TYPE line)	1.16	0.88	0.72	-	0.72
B4	Plastic (TYPE line)	15.70	11.90	9.79	-	9.79
A5	Metal (Eurocode)	2.93	2.22	1.83	-	1.83
B5	Plastic (Eurocode)	22.70	17.21	14.16	-	14.16
C5	PCB board (Eurocode)	2.29	1.74	1.43		1.43
A6	Metal (American regulations)	2.91	2.21	1.81	-	1.81
B6	Plastic (American regulations)	19.09	14.47	11.91	-	11.91
C6	PCB board (American regulations)	2.24	1.69	1.40		1.40
Total		131.91	100	75.24	-	75.24

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.

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 weigh of the product is including the main product and accessories.

8. Recycling/Recovery Targets under the WEEE Directive

Minimum targets set for 6 categories EEE finished product from 15 August 2018 in directive 2012/19/EU:

Category		Reuse & Recycling Rate	Recovery Rate
1.	Temperature exchange equipment	80%	85%
2.	Screens, monitors, and equipment containing screens having a surface greater than 100 cm ²	70%	80%
3.	Lamps	/	80%
4.	Large equipment (any external dimension more than 50 cm)	80%	85%
5.	Small equipment (no external dimension more than 50 cm)	55%	75%
6.	Small IT and telecommunication equipment (no external dimension more than 50 cm)	55%	75%

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9. 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 is greater than 10 square centimetres,
- 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), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (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 fibres 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/Euratom 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 ionising radiation ,
- Electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume)

10. 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 2011/65/EU on the restriction of the use of

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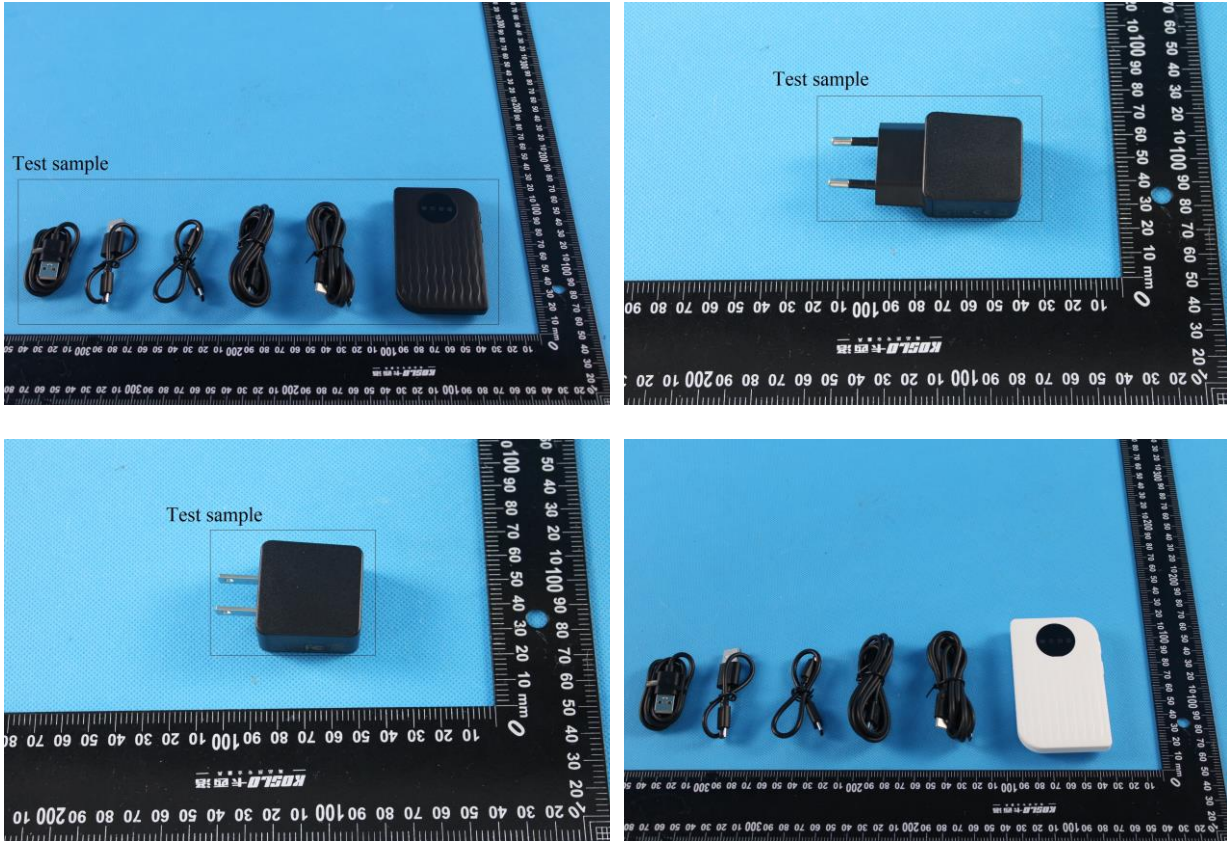
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certain hazardous substances in electrical and electronics equipment). The hazardous substance specification in the Directive should be controlled in the homogenous material of this product.

— If a product has changed 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.

The photo of the sample



AGC13697230101-005S1

AGC authenticate the photo only on original report

*** End of Report ***

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3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
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