

APPLICANT : DOKE COMMUNICATION (HK) LIMITED
RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD
WANCHAI HK CHINA

DATE OF SUBMISSION : Jul 26, 2023

TEST PERIOD : From Jul 26, 2023 to Aug 05, 2023

SAMPLE DESCRIPTION : 4G Tablet

MODEL NO. : Tab 60

MODEL/TYPE REFERENCE : Tab 60 Kids

TRADEMARK : Blackview

MODEL NO. : Shenzhen DOKE Electronic Co., Ltd

MODEL NO. : 801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road,
Guangming District, Shenzhen, China.

ASSESSMENT Specification – WEEE Directive 2012/19/EU	
Product Category	VI-
	Small IT and telecommunication equipment
Test reuse and recycling rate (%) / Test recovery rate (%)	88.38/100
Minimum reuse and recycling rate (%) / Minimum recovery rate (%)	55/75
Conclusion:	PASS (The submitted sample complies with the WEEE directive 2012/19/EU)

APPROVED BY



Tang Xiu Sheng

Laboratory manager





HP-LAB
TEST REPORT

No. HP230726011201

Date: Aug 05, 2023

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1. GENERAL INFORMATION:

1.1 Assessment Method:

The sample was disassembled into small parts by using appropriate tools, similar materials of each part were grouped and weighed.

The disposal percentage is determined based on the European directive 2012/19/EU and 74/552/EC.

The material types of the parts are reference to the Bill of Material (BOM) provided by the client.

The uncertainty is introduced as to eliminate possible weighting error, rounding up error and other errors.

It is computed by the summation of all weighted parts subtracted from the total weight.

1.2 Disposal and Recovery stated in Waste 74/552/EEC Annex IIA & Annex IIB:

1.2.1 Disposal Operations

1.2.1.1 Deposit into or onto land (e.g. landfill, etc.)

1.2.1.2 Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)

1.2.1.3 Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)

1.2.1.4 Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)

1.2.1.5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)

1.2.1.6 Release into a water body except seas/oceans

1.2.1.7 Release into seas/oceans including sea-bed insertion

1.2.1.8 Biological treatment not specified elsewhere in the Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered 1.2.1.1 to D 1.2.1.12

1.2.1.9 Physico-chemical treatment not specified elsewhere in the Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered 1.2.1.1 to 1.2.1.12 (e.g. evaporation, drying, calcination, etc.)

1.2.1.10 Incineration on land

1.2.1.11 Incineration at sea

1.2.1.12 Permanent storage (e.g. emplacement of containers in a mine, etc.)

1.2.1.13 Blending or mixing prior to submission to any of the operations numbered 1.2.1.1 to 1.2.1.12

1.2.1.14 Repackaging prior to submission to any of the operations numbered 1.2.1.1 to 1.2.1.13

1.2.1.15 Storage pending any of the operations numbered 1.2.1.1 to 1.2.1.14 (excluding temporary storage, pending collection, on the site where it is produced)

1.2.2 Recovery Operations

1.2.2.1. Use principally as a fuel or other means to generate energy

1.2.2.2. Solvent reclamation/regeneration

1.2.2.3. Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)



- 1.2.2.4. Recycling/reclamation of metals and metal compounds
- 1.2.2.5. Recycling/reclamation of other inorganic materials
- 1.2.2.6. Regeneration of acids or bases
- 1.2.2.7. Recovery of components used for pollution abatement
- 1.2.2.8. Recovery of components from catalysts
- 1.2.2.9. Oil re-refining or other reuses of oil
- 1.2.2.10. Land treatment resulting in benefit to agriculture or ecological improvement
- 1.2.2.11. Use of wastes obtained from any of the operations numbered 1.2.2.1 to 1.2.2.10
- 1.2.2.12. Exchange of wastes for submission to any of the operations numbered 1.2.2.1 to 1.2.2.11
- 1.2.2.13. Storage of wastes pending any of the operations numbered 1.2.2.1 to 1.2.2.12
(excluding temporary storage, pending collection, on the site where it is produced)

1.3 Recycling and Reuse stated in WEEE, Article 3

1.3.1 Recycling Operation

“Recycling” means the reprocessing in a production process of the waste materials for the original purpose or for other purposes, but excluding energy recovery which means the use of combustible waste as a means of generating energy through direct incineration with or without other waste but with recovery of the heat.

1.3.2 Reuse Operation

“Reuse” means any operation by which WEEE or components thereof are used for the same purpose for which they were conceived, including the continued use of the equipment or components thereof which are returned to collection points, distributors, recyclers or manufacturers.

1.4 Categories of EEE stated in WEEE Annex III:

- 1.4.1. Temperature exchange equipment
- 1.4.2. Screens, monitors, and equipment containing screens having a surface greater than 100 cm²
- 1.4.3. Lamps
- 1.4.4. Large equipment (any external dimension more than 50 cm)
- 1.4.5. Small equipment (no external dimension more than 50 cm)
- 1.4.6. Small IT and telecommunication equipment (no external dimension more than 50 cm)

1.5 List of Abbreviations

Unless specified, the following abbreviations are used through out this assessment report:

IT: Information technology

WEEE: Directive 2012/19/EU of The European Parliament And of The Council of July 24, 2012 on Waste of Electrical and Electronic Equipment

RoHS: Directive 2011/65/EU of The European Parliament And of The Council of July 1, 2011 Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment

EEE: Electrical and Electronic Equipment defined under 2012/19/EU, WEEE

PC: Polycarbonate

LED: Light Emitting Device
PCB: Printed Circuit Board
PES: Polyester
IC: Integrated Circuit
NA: Not Applicable

1.6 Selective treatment for materials and components of waste electrical and electronic equipment in accordance with WEEE, Article 6 (1), Treatment

1.6.1 As a minimum the following substances, preparations and components have to be removed from any separately collected WEEE:

1.6.1.1 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),

1.6.1.2 Mercury containing components, such as switches or backlighting lamps,

1.6.1.3 Batteries,

1.6.1.4 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,

1.6.1.5 Toner cartridges, liquid and pasty, as well as colour toner,

1.6.1.6 Plastic containing brominated flame retardants,

1.6.1.7 Asbestos waste and components which contain asbestos,

1.6.1.8 Cathode ray tubes,

1.6.1.9 Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC),

1.6.1.10 Gas discharge lamps,

1.6.1.11 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,

1.6.1.12 External electric cables,

1.6.1.13 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 labelling of dangerous substances (2),

1.6.1.14 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 (3),

1.6.1.15 Electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume)

These substances, preparations and components shall be disposed of or recovered in compliance with Article 4 of Council Directive 75/442/EEC.



- 1.6.2 The following components of WEEE that is separately collected have to be treated as indicated:
- 1.6.2.1 Cathode ray tubes: The fluorescent coating has to be removed,
 - 1.6.2.2 Equipment containing gases that are ozone depleting or have a global warming potential (GWP) above 15, such as those contained in foams and refrigeration circuits: the gases must be properly extracted and properly treated. Ozone-depleting gases must be treated in accordance with Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (4).
 - 1.6.2.3 Gas discharge lamps: The mercury shall be removed.



2. ASSESSMENT SUMMARY

2.1 Assessment Summary Table

No.	Description of the sub-assessable	Weight (g)	Weight (%)	Reuse	Recycling	Energy Recovery	Disposal
1	Plastic	83.52	55.96		X		
2	Metal	48.38	32.42		X		
3	PCB+EC	17.34	11.62			X	
Total (without battery)		149.24	100		88.38	11.62	
Total disassembly time (min)		60					
Disassembly tools		Screwdriver, Pliers					

2.2 Conclusion

Product Category VI- Small IT and telecommunication equipment		
	Actual (%)	Request (%)
Reuse and recycling rate	88.38	55
Recovery rate	100	75

2.3 Recommended Disassembly Sequence



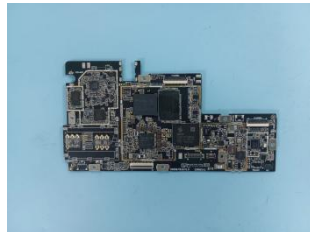
4G Tablet



4G Tablet



4G Tablet



PCB



PCB



3. ASSESSMENT RESULTS OF THE SUB-ASSEMBLE

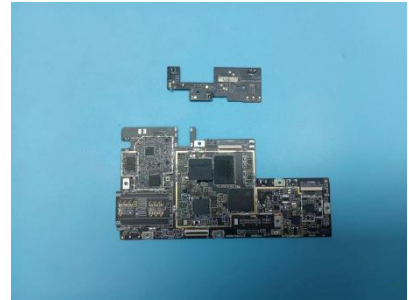
3.1 Individual Part



1



2



3

Assessed part		Material	Weight (g)	Weight (%)	Reuse	Recycling	Energy Recovery	Disposal
1	Plastic	Plastic	83.52	55.96		X		
2	Metal	Metal	48.38	32.42		X		
3	PCB+EC	PCB+EC	17.34	11.62			X	
Total			149.24	100		88.38	11.62	
Disassembly Time (min)		60		Disassembly Tools		Screwdriver Pliers		

Photo of the Submitted Sample



*** End of Report ***

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