








Assessment Report of WEEE Recovery Rate								
Report Number.: AST-OR-18110704 Date of issue: November 29, 2018 Total number of pages: 6								
Applicant's name: Ultimems Inc. Address: 11F., No.215, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231, Taiwan.								
Test specification: Standard: WEEE Directive 2012/19/EU Non-standard test method: N/A								
Test item description: Anybeam Laser Scanning Pico Projector Trade Mark: AnyBeam Model/Type reference: HD301M1-H2, HD301M1-H2-BLA, HD301M1-H2-DBR, HD301M1-H2-LBR, HD301M1-H2-GRA, HD301M1-H2-W, HD301M1-H2-R, HD301M1-H2-Y, HD301M1-H2-GRE, HD301M1-H2-BL Ratings: 5.0V  1.5A								
<table border="1"> <tr> <td>Tested by (name + signature)</td> <td>Elly Kuo</td> <td></td> </tr> <tr> <td>Approved by (name + signature)</td> <td>Ricky Liu</td> <td></td> </tr> </table>			Tested by (name + signature)	Elly Kuo		Approved by (name + signature)	Ricky Liu	
Tested by (name + signature)	Elly Kuo							
Approved by (name + signature)	Ricky Liu							

LAB Information:			
Test laboratory name.....: Ansett Lab Co., Ltd.			
Test laboratory address.....: 2F., No.156, Baoqiao Rd., Xindian Dist., New Taipei City 231, Taiwan			
Test Parameters:			
Ambient temperature (°C).....: 24.6 °C			
Humidity (%).....: 65 %			
Testing:			
Date of receipt of test item..... 2018/11/12			
Date (s) of performance of tests.....: 2018/11/27 - 2018/11/28			
Equipment Detail:			
Brand Name of EUT.....: AnyBeam			
Model Number of.....: HD301M1-H2			
Input power voltage (V): 5.0Vdc			
Input frequency (Hz) if ac.....: -			
Test item description.....: Laser Scanning Projector			
Supplementary information.....: Models HD301M1-H2, HD301M1-H2-BLA, HD301M1-H2-DBR, HD301M1-H2-LBR, HD301M1-H2-GRA, HD301M1-H2-W, HD301M1-H2-R, HD301M1-H2-Y, HD301M1-H2-GRE, HD301M1-H2-BL are identical except for appearance color and model designation.			
Test Conducted :			
As requested by the applicant, for details please refer to attached pages.			
Assessment Result:			
The product mentioned above and on which the assessment is described in the following report is classified as Category 4 product under Annex I of Directive 2012/19/EU. The sample was found to fulfill the respective minimum recovery targets of Annex V Part 2.			
	Requirement	Assessment Result	Result
Reuse/Recycling Rate	70%	100%	Pass
Recovery Rate	80%	100%	Pass
Remark: The results reflect the findings during the assessment on the submitted sample.			

Test Conducted

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Section 1 Definitions and General Remarks

Reuse : Products or components thereof can continue to be used for the same purpose as they were conceived.

Recycling : Reprocessing of the waste materials for the original purposes or for other purposes, but excluding energy recovery.

Recovery : Processes basically including reuse, recycling and heat recovery.

The above definitions are derived from WEEE Directive 2012/19/EU, Article 3 Definition.

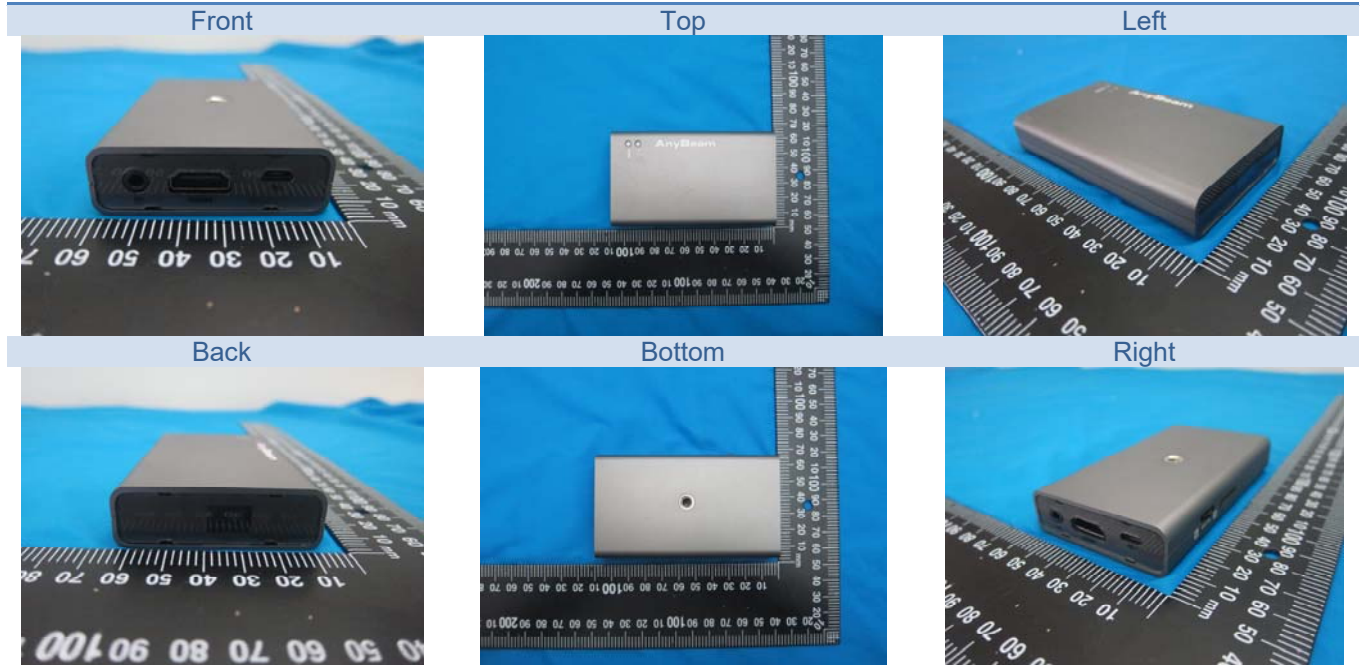
S.S.T. : Subject to Selective Treatment components and materials of waste electrical and electronic equipment in accordance with WEEE Directive 2012/19/EU, Annex VII.

Section 2 Assessment on Disassembly

2.1 Description of the Sample Submitted for Assessment

The submitted sample was an Electric Screwdrivers. It is classified as **category_4** under **Annex I of Directive 2012/19/EU**.

Product Overview

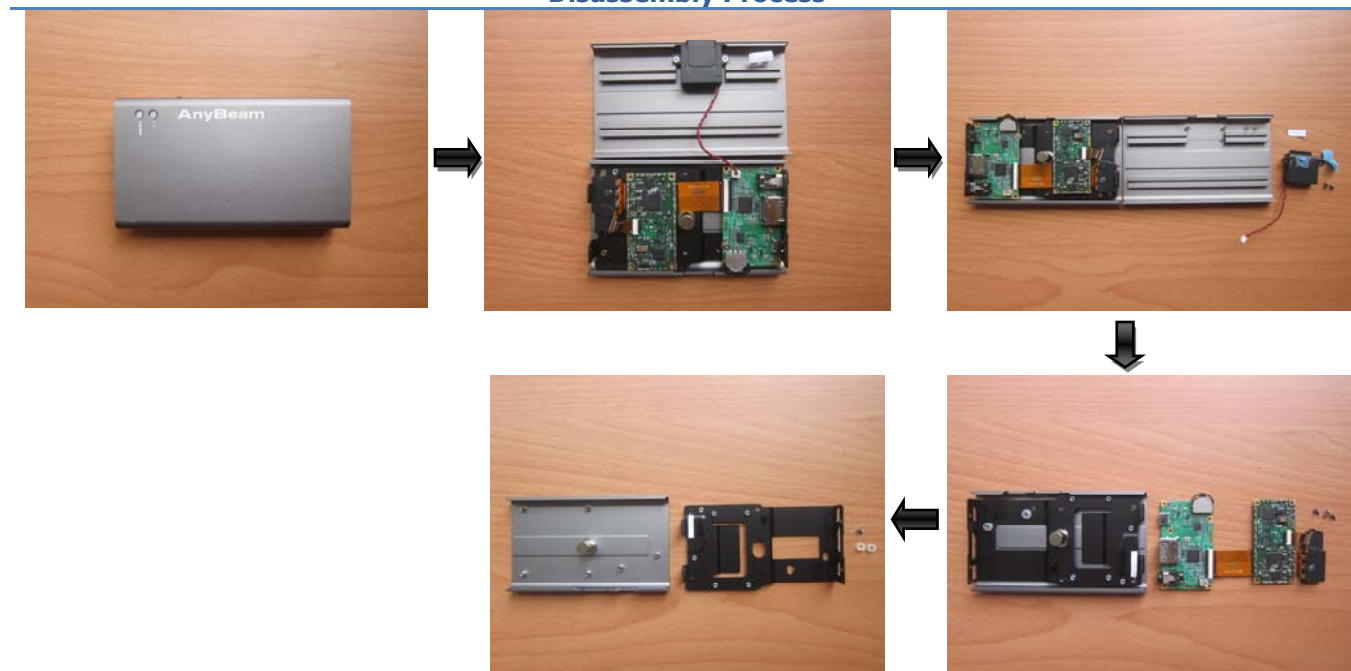


2.2 Assessment Method :

The submitted sample is disassembled into different parts by using ordinary tools. Similar materials from each part were grouped and weighed. The recycling and recovery rates were calculated based on the treatment requirements as set up in the WEEE directive, followed by the status quo of best available technology for recycling and recovery technology available in Europe as well as Taiwan. Materials for which currently no recycling technology is available or where the recycling is not economically feasible, or which contain hazardous substances, are assumed to be disposed of in landfills without further use.

2.3 Description of the Disassembly Sequences

Disassembly Process



Remark:

S.S.T. : Subject to Selective Treatment components and materials of waste electrical and electronic equipment in accordance with WEEE Directive 2012/19/EU, Annex VII.

2.4 Summary of Disassembly Assessment

Item	Findings
Classified Category	4. Consumer equipment and photovoltaic panels
Total Sample Weight	125g
Disassembly Time	0.5 hours
Tools Used for Manual Disassembly	Screwdriver,
Connection Techniques Found on Submitted Sample	Screw x 6

2.5 Photo of Disassembly Component



Remark:

S.S.T. : Subject to Selective Treatment components and materials of waste electrical and electronic equipment in accordance with WEEE Directive 2012/19/EU, Annex VII.

Section 3 Assessment on Recovery Rate

The following assessment on the recoverability of materials was based on utilization of generally available recycling and recovery technologies. Later developments in material recovery technologies may lead to higher recovery rates.

3.1 Analyses of Recoverable Materials

Material	Total Weight (g)	Percent (%)	Recoverable Material Weight (g)			Disposal Only Material (g)	Remark
			Reusable	Recyclable	Recoverable		
Metal	102	81.6		102			
Non-recyclable material	3	2.4		3			
PCB assembly	20	16.0		20			S.S.T. #
Total	125	100.0		125			

Remark: # : The dismantled component is within the Annex VII of Directive 2012/19/EU, the applicant needs to request selective treatment for materials and components of WEEE in accordance with Article 8(2) of 2012/19/EU.

3.2 Summary of Total Recovery Rate

	Total	Reuse/Recycling	Recovery	Disposal
Weight(g)	125	125	125	0
Respective Rate	100%	100%	100%	0%

End of Report

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