LITHIUM CELLS OR BATTERIES TEST SUMMARY IN ACCORDANCE WITH SUB-SECTION 38.3 OF MANUAL OF TEST AND CRITERIA

Itien Name US523350N2Y Item Description Lithium Ion Battery Cell Murata Energy Device Waxi Co., Ltd. No. 27, Changliang Road, New District, Waxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8323-9120 e-mail: mdv-qa-comp@murata.com umber, email address and website for more information: Murata Energy Device Waxi Co., Ltd. No. 27, Changliang Road, New District, Waxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8323-9120 e-mail: mdv-qa-comp@murata.com website-item://wax.purata.com/enslebla/gromp/tebelomurata Murata Energy Device Waxi Co., Ltd. No. 27, Changliang Road, New District, Waxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdv-qa-comp@murata.com No. 27, Changliang Road, New District, No. 27, Changliang Road, New District Road Road Road Road Road Road Road R				
Item Number USS23350N2Y Item Description Lithium Ion Battery Cell Murata Energy Device Wuxi Co., Ltd. No. 27, Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdv-qa-comp@murata.com Website interferomentation: 27-Mar-15 Date of the test report: identification number: SEM-AVG1538 27-Mar-15 SEM-AVG1538 Date of the test report: identification number: SEM-AVG1538 Date of the test report: Date of the test rep	Name of cell, battery or product manufacturer, as			
Item Description Lithium Ion Battery Cell	applicable:		_	
Murata Energy Device Wuxi Co., Ltd. No. 27. Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P. R. C. Phone: 88-510-8523-9120 c-mail: mdx-qa-comp@murata.com Website : https://www.murato.com/ca.global/grom/tebelomurata No. 27. Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P. R. C. Test T. S. Washite : https://www.murato.com/ca.global/grom/tebelomurata No. 27. Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P. R. C. Test T. I. Altitude Simulation : Pass Phone: 86-510-8523-9120 Test T. 2: Thermal Test : Pass Test T. 2: Thermal Test : Pass			address and website for more information:	
No. 27. Changiang Road, New District, Waxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 mail: mdw-qa-comp#murata.com Website: !!ttm://www.marata.com/m-qlotal/group/tebobasurata Murata Energy Device Wuxi Co., Ltd. No. 27. Changiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 mail: mdw-qa-comp#murata.com Websites S23-9120 mail: mdw-qa-comp#murata.com Websites S23-9120 mail: mdw-qa-comp#murata.com Websites S23-9120 mail: mdw-qa-comp#murata.com Website S21-Wox.murata.com/ca-dotal/group/tobokamurata Nest T.1: Altitude Simulation: Pass Test T.2: Thermal Test : Pass Test T.3: Vibration: Pass Test T.4: Shock : Pass Pescription of cell or battery to include at a minimum: Lithium ion or Lithium ental cell or nattery. Mass; Watt-hour rating, or lithium content; Physical description of the cell/battery; and Model Cell/battery Type: Lithium Ion Cell/or Battery Weight: 21. IGrams Lor or Wh rating: 4.27 Wh Physical description Lithium Ion Polymer Rechargeable Cells Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3;(r) and 38.3.3;(g): Not Applicable PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) Proper Shipping Name: Lithium Ion Battery On the model (s) has (have) been classified according to the applicable transport triculations are made to the model (s) described in in is document, after being transport triculations are made to the model (s) must be packed, labeled, and documented according to country and other international regulations for the date of the certification, The model (s) must be packed, labeled, and documented according to country and other international regulations for the document was generated:			Murata Energy Davida Wuyi Co. Itd	
Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdw-qa-comp@murata.com Website: https://www.murata.com/ce-global/group/tobdomurata Name of the test laboratory to include addres, phone number, cmail address and website for more information: Murata Energy Device Wuxi Co., Ltd. No.27, Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120	Trem Description Lithium fon Datte	ry cerr		
Phone: 86-510-8523-9120 e-mail: mdw-qa-comp@murata.com Website intost/www.mrata-com/em_tobolumurata Name of the test laboratory to include addres, phone number. email address and website for more information: Murata Energy Device Wuxi Co., Ltd. No. 27, Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdw-qa-comp@murata.com Number: SEW-AVG1538 List of tests conducted and results (i.e., pass/fail): No. 27, Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdw-qa-comp@murata.com Number: SEW-AVG1538 List of tests conducted and results (i.e., pass/fail): Not it				
Composition			I	
Website : https://www.marata.com/on-global/group/tohokomurata				
Identification number: SEW-AVG1538 27-Mar-15				
Murata Energy Device Wuxi Co., Ltd.	Name of the test laboratory to include addres, phone		A unique test report Date of the test report:	
Murata Energy Device Wuxi Co., Ltd. No. 27, Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdw-qa-comp@murata.com Website https://www.murata.com/emratobal/gromp/tobelomurata Description of cell or battery to include at a minimum: Lithium ion or Lithium metal cell or battery; Mass; Watt-hour rating, or lithium content; Pass Test T.3: Vibration : Pass Test T.3: Vibration : Pass Test T.4: Shock : Pass Test T.5: External short circuit : Pass Test T.7: Overcharge : Not applicable Cell/battery; and Model Cell/battery Type : Lithium Ion Cell/battery; and Model Cell or Battery Weight : 21. Grams LC or W/h rating : 4.27 Wh Physical description : Lithium Ion Polymer Rechargeable Cells Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3; (f) and 38.3.3; (g): Not Applicable PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) WIN Classification: UNClassification: UNClassification: UNClassification for the validity of information provided: Vivian Tang Product/Campliance Manager Lithium Ion Battery This document remains valid as long as no changes, modification, or additions are made to the model(s) described in this document, after being transported from a Murata Energy Device Wuxi Co., Ltd. Lithium Ion Battery This document are made to the model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.	number, email address and website for more			
No. 27, Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdw-qa-comp@murata.com Website https://www.mmtat.com/em.global/group/tebebaumrata Description of cell or battery to include at a minimum: Lithium ion or Lithium metal cell or battery: Mass; Watt-hour rating, or lithium content; Physical description of the cell/battery; and Model Cell/battery Type : Lithium Ion Cell or Battery weight : 21.1Grams LC or W/h rating : 4.27 Wh Physical description :Lithium Ion Polymer Rechargeable Cells Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3; (f) and 38.3.3; (g): Not Applicable PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) UN Classification: UN3480 Proper Shipping Name: Lithium Ion Battery Signature with name and title of signatory as an indication of the walidity of information provided: Vivian Tang Product Campliance Manager Date document was generated: Test T.1: Altitude Simulation : Pass Test T.2: Thermal Test : Pass Test T.3: Vibration : Pass Test T.4: Shock : Pass Test T.4: Shock : Pass Test T.6: Crush : Pass Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Test T.8: Forced discharge : Pass Test T.9: External short circuit : Pass Test T.6: Crush : Pass Test T.6: Crush : Pass Test T.6: Crush : Pass Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Test T.8: Forced discharge : Pass Test T.8: Forced discharge : Not applicable Test T.9: And Model Test T.9: And Model Test T.9: And Model : Pass Test T.9: Crush : Pass	information:		SEW-AVG1538 27-Mar-15	
No. 27, Changjiang Road, New District, Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 e-mail: mdw-qa-comp@murata.com Website https://www.mmtat.com/em.global/group/tebebaumrata Description of cell or battery to include at a minimum: Lithium ion or Lithium metal cell or battery: Mass; Watt-hour rating, or lithium content; Physical description of the cell/battery; and Model Cell/battery Type : Lithium Ion Cell or Battery weight : 21.1Grams LC or W/h rating : 4.27 Wh Physical description :Lithium Ion Polymer Rechargeable Cells Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3; (f) and 38.3.3; (g): Not Applicable PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) UN Classification: UN3480 Proper Shipping Name: Lithium Ion Battery Signature with name and title of signatory as an indication of the walidity of information provided: Vivian Tang Product Campliance Manager Date document was generated: Test T.1: Altitude Simulation : Pass Test T.2: Thermal Test : Pass Test T.3: Vibration : Pass Test T.4: Shock : Pass Test T.4: Shock : Pass Test T.6: Crush : Pass Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Test T.8: Forced discharge : Pass Test T.9: External short circuit : Pass Test T.6: Crush : Pass Test T.6: Crush : Pass Test T.6: Crush : Pass Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Test T.8: Forced discharge : Pass Test T.8: Forced discharge : Not applicable Test T.9: And Model Test T.9: And Model Test T.9: And Model : Pass Test T.9: Crush : Pass	Murata Energy Device Wuxi Co., I	td.	List of tests conducted and results (i.e., pass/fail	1):
Wuxi, Jiangsu Province, 214028 P.R.C. Phone: 86-510-8523-9120 mail: mdw-qa-comp@murata.com Website https://www.murata.com/on-global/group/tohokumurata Description of cell or battery to include at a minimum: Lithium ion or Lithium metal cell or battery: Mass; Watt-hour rating, or lithium content; Physical description of the cell/battery; and Model Cell or Battery			`	
Test T.3: Vibration : Pass Pass			Test T.1: Altitude Simulation : Pass	
Test T.4: Shock Pass Pas			Test T.2: Thermal Test : Pass	
Test T.5: External short circuit : Pass Test T.6: Crush : Pass Test T.6: Crush : Pass Test T.7: Overcharge : Not applicable tery; Mass; Watt-hour rating, or lithium dodel description of the cell/battery; and Model Test T.8: Forced discharge : Pass Test T.7: Overcharge : Not applicable test T.8: Forced discharge : Pass Test T.8: Forced discharge	e-mail: mdw-qa-comp@murata.com		Test T.3: Vibration : Pass	
Test T.6: Crush : Pass T.5: Overcharge : Not applicable Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Test T.8: Forced discharge : Pass Test T.8: Forced discharge : Pass Testing additional comments: Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Testing additional comments: Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Testing additional comments: Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Testing additional comments: Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass T.8: Forced discharge : Pass T.8: Forced discharge : Pass Testing additional comments: Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Testing additional comments: Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass Testing additional comments: Test T.7: Overcharge : Not applicable Test T.7: Overcharge : Not applicable Test T.8: Forced discharge : Pass T.8: Forced discharge : Pa	Website https://www.murata.com/en-global/grou	p/tohokumurata	Test T.4: Shock : Pass	
Physical description of the cell/battery; and Model Cell/battery Type	Description of cell or battery to	include at a		
Physical description of the cell/battery; and Model Cell/battery Type : Lithium Ion Cell or Battery : Cell Cell or Battery : Cell Cell or Battery weight : 21.1Grams LC or W/h rating : 4.27 Wh Physical description :Lithium Ion Polymer Rechargeable Cells Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3; (f) and 38.3.3; (g): Not Applicable PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) UN Classification: UN3480 Lithium Ion Battery Signatory as an indication of the validity of information provided: Vivian Tang Product Compliance Manager Date document was generated: Test T.8: Forced discharge : Pass Testing additional comments: Testin	minimum: Lithium ion or Lithium me	tal cell or		
Cell or Battery	battery; Mass; Watt-hour rating, or lithium content;			able
Cell or Battery : Cell Cell or Battery Weight : 21.1Grams LC or W/h rating : 4.27 Wh Physical description :Lithium Ion Polymer Rechargeable Cells Reference to assembled battery testing requirements, if applicable (i.e., 38.3.3; (f) and 38.3.3; (g): Not Applicable Revision 5 Amendment 1 PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) UN Classification: Proper Shipping Name: UN3480 Lithium Ion Battery Signature with name and title of signatory as an indication of the validity of information provided: Vivian Tang Product Campliance Manager Campliance Manager Date document was generated: Cell PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) Proper Shipping Name: Lithium Ion Battery This document remains valid as long as no changes, modification, or additions are made to the model(s) described in this document, after being transported from a Murata Energy Device Wuxi Co., Ltd. The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.	Physical description of the cell/b	attery; and Model	Test T.8: Forced discharge : Pass	
Not Applicable (i.e., 38.3.3; (f) and 38.3.3; (g): Revision 5 Amendment 1	Cell or Battery : Cell Cell or Battery Weight : 21.1Grams LC or W/h rating : 4.27 Wh Physical description		Testing additional comments:	
Not Applicable (i.e., 38.3.3; (f) and 38.3.3; (g): Revision 5 Amendment 1	Reference to assembled battery testing requirements		Reference to the revised edition of the Manual of Te	est
PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) UN Classification: UN3480 Lithium Ion Battery Signature with name and title of signatory as an indication of the validity of information provided: Vivian Tang Product Compliance Manager Product Compliance Manager Date document was generated: PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP) Proper Shipping Name: Lithium Ion Battery This document remains valid as long as no changes, modification, or additions are made to the model(s) described in this document, after being transported from a Murata Energy Device Wuxi Co., Ltd. The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.	if applicable (i.e., 38.3.3; (f) and 38.3.3; (g):			
UN Classification: UN3480 Lithium Ion Battery Signature with name and title of signatory as an indication of the validity of information provided: Vivian Tang Product Compliance Manager Date document was generated: Proper Shipping Name: Lithium Ion Battery This document remains valid as long as no changes, modification, or additions are made to the model(s) described in this document, after being transported from a Murata Energy Device Wuxi Co., Ltd. The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.	Not Applicable		Revision 5 Amendment 1	
UN3480 Lithium Ion Battery Signature with name and title of signatory as an indication of the validity of information provided: Vivian Tang Product Compliance Manager Date document was generated: Lithium Ion Battery This document remains valid as long as no changes, modification, or additions are made to the model(s) described in this document, after being transported from a Murata Energy Device Wuxi Co., Ltd. The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.				
Signature with name and title of signatory as an indication of the validity of information provided: Vivian Tang Product Compliance Manager Date document was generated: This document remains valid as long as no changes, modification, or additions are made to the model(s) described in this document, after being transported from a Murata Energy Device Wuxi Co., Ltd. The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.				
additions are made to the model(s) described in this document, after being transported from a Murata Energy Device Wuxi Co., Ltd. The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.				
validity of information provided: Vivian Tang Product/Compliance Manager Date document was generated: transported from a Murata Energy Device Wuxi Co., Ltd. The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.	Signature with name and title of			
Vivian Tang Product/Compliance Manager The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.			·	eing
Product/Compliance Manager transport regulations and the UN Manual of Tests and Criteria as of the date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.	1	_		
date of the certification, The model(s) must be packed, labeled, and documented according to country and other international regulations for transportation.	9			
documented according to country and other international regulations for transportation.	Product/Compliance Manager			,
Date document was generated: transportation.	I V, V hm			î
	Date document was generated:		5	
	28-Aug-20			