



Schedule of Scope to Certificate of Approval Independent Testing Laboratory

IECQ Certificate No.: IECQ-L ULTW 09.0023

CB Certificate No.: 20003329 ITL

Schedule Number: IECQ-L ULTW 09.0023-S

Rev No.: 4

Revision Date: 2021/01/22

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Appendix-1 (20003329 ITL) Schedule of Scope to Certificate of Approval

Description test	Standard
Low Temperature Operation 低溫操作測試	IEC 60068-2-1
Low Temperature Storage 低溫儲存測試	IEC 60068-2-1
High Temperature Operation 高溫操作測試	IEC 60068-2-2
High Temperature Storage 高溫儲存測試	IEC 60068-2-2
Temperature Cycling 溫度循環測試	IEC 60068-2-14
High Temperature & High Humidity Operation 高溫高濕操作測試	IEC 60068-2-78
High Temperature & High Humidity Storage 高溫高濕儲存測試	IEC 60068-2-78
Thermal Shock 冷熱衝擊測試	IEC 60068-2-14
Altitude Operation 高空操作測試	IEC 60068-2-13
Altitude Storage 高空儲存測試	IEC 60068-2-13
Solar Test 日照模擬測試	DIN 75220
Glass Strength-ROR (Ring on Ring) 雙環型彎曲強度測試	ASTM 1499-05
Glass Strength-4PB (4- Point Bending Test) 四點彎曲強度測試	13QM100284
Pressure Test 面壓測試	13QM100284
Mechanical Shock 機械衝擊測試	IEC 60068-2-27

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Description test	Standard
Vibration (Sine wave) 振動測試 (正弦波)	IEC 60068-2-6
Vibration (Random) 振動測試 (隨機波)	IEC 60068-2-64 : 2008 + AMD1 : 2019 CSV
Thermal Vibration 溫度振動複合測試	13QM100279
Packing Vibration 包裝振動測試	ISTA 2A
Terminal ESD Test HBM (Non-O/P) 人體模型端子放電測試	IEC 60749-26 MIL-STD-883E(Method 3015.7)
Terminal ESD Test MM (Non-O/P) 機器模型端子放電測試	IEC 60749-27
Combined Environments Test 複合環境測試	IEC 60068-2-38
Harmful gas test 腐蝕性氣體測試	IEC 60068-2-60
Salt Test 鹽霧測試	IEC 60068-2-52
Water protection - IPX 防水測試	IEC 60068-2-18 IEC 60529 : 1989 + AMD1 : 1999 + AMD2 : 2013 CSV
Dust Test 防塵測試	13QM100279
Optical measurement 光學量測	IDMS
Vacuum suck pump test 黃斑真空測試	IDMS
Rattling Test 振動異音測試	IEC 60068-2-65 ISO 7779
Tensile Test 拉伸測試	13QM100284
Head Impact Test 頭部撞擊測試	ECE-R21 FMVSS No. 201U
Battery Compliance Test 電池規格測試	13QM100279
TL226 Crosscut Test 百格測試	13QM100599

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Description test	Standard
TL226 Scratch Resistance 耐刮測試	13QM100599
TL226 100 crockmeter strokes against Dry Cloth 耐磨測試(乾)	13QM100599
TL226 100 crockmeter strokes against Moist Cloth 耐磨測試(濕)	13QM100599
TL226 Colorimetry Test 色差測試	13QM100599
TL226 Heat aging 高溫存放測試	13QM100599
TL226 Environmental cycle test 氣候交換測試	13QM100599
TL226 Hydrolysis Aging 水解老化測試	13QM100599
TL226 Condensation Atmosphere with Constant Humidity 冷凝水測試	13QM100599
TL226 lightfastness 耐光性測試	13QM100599
TL226 Solar radiation 太陽輻射測試	13QM100599
TL226 Cream resistance 耐潤膚霜測試	13QM100599
TL226 Cyclic Corrosion test 鹽霧循環腐蝕測試	13QM100599
TL226 Resistance to Cleaning Agents and Synthetic Sweat-Drip Test (耐清潔劑人工汗液滴下測試)	13QM100599
TL226 Resistance to Cleaning Agents and Synthetic Sweat-Abrasion Behavior (耐清潔劑人工汗液磨擦測試)	13QM100599
Packing Drop 包裝落下測試	ISTA 1A ISTA 2A
ESD-Air Mode Discharge 空氣放電靜電模擬測試	IEC 61000-4-2 ISO 10605
ESD-Contact Mode Discharge 接觸放電靜電模擬測試	IEC 61000-4-2 ISO 10605

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Description test	Standard
Damp Heat Cycle Test Operation 溫濕度循環測試	IEC 60068-2-38 13QM100283

Technical Reviewer of DQS:

Michael Chou

Date: 1/22/2021

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