

## TECHNICAL ACCEPTANCE CERTIFICATE

➤ Certificate No. A01059 ◀

**Certificate Holder:** LANTRONIX  
7535 Irvine Center Dr, Suite 100  
Irvine, CA 92618, United States of America

**ISED Certification Number:** 3867A-OQ845US

**Type of Application:** New Single Certification

**Category:** Radio

**Device Type:** Modular Approval

**Hardware Ver. Id. Number(s) (HVIN):** Open-Q 845 uSOM

**Product Marketing Name(s) (PMN):** Open-Q 845 uSOM

**Firmware Ver. Id. Number(s) (FVIN):** sdm845-userdebug 10 QKQ1.200105.002 Open-Q\_845\_Q\_v2.0 test-keys

**Host Marketing Name(s) (HMN):** N/A

**Product Categories:** Wireless Local Area Network Device (Indoor Only)  
Other

**Standard(s)/Specification(s):** RSS-Gen, Issue 5, Issue Date: Apr 2018 (Amd 2, Feb 2021)  
RSS-102, Issue 5, Issue Date: Mar 2015 (Amd 1, Feb 2021)  
RSS-247, Issue 2, Issue Date: Feb 2017

**Please see Annex for Frequency Range, RF Power/Field Strength, Emission Designation(s) and Antenna Information.**

**Testing Laboratory:** Bureau Veritas CPS(H.K.) Ltd., Taoyuan Branch  
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Company Number: 7450F / CABID: TW2021

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. License applications, where applicable to use certified equipment, are acted on accordingly by the ISED issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by ISED. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by ISED.

*La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'ISDE et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'ISDE. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par ISDE.*

I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.  
*J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus.*

Authorized by:



Steve Cheng / Certification Manager

Original Date of Issue: June 19, 2021

Revised Date of Issue: N/A

Frequency Range		Maximum RF Power / Field Strength	Emission Designation
Min (MHz)	Max (MHz)		
2402	2480	0.014 W Conducted	2M05F1D
2402	2480	0.028 W Conducted	860KF1D
2402	2480	0.017 W Conducted	1M25G1D
2412	2462	0.453 W Conducted	16M1G1D
2412	2462	0.336 W Conducted	21M5D1D
2412	2462	0.323 W Conducted	21M5D1D
2422	2452	0.111 W Conducted	36M7D1D
5180	5240	0.175 W EIRP	18MOD1D
5190	5230	0.195 W EIRP	36M8D1D
5210	5210	0.197 W EIRP	75M8D1D
5260	5320	0.047 W Conducted	18MOD1D
5270	5310	0.047 W conducted	37MOD1D
5290	5290	0.047 W Conducted	76M1D1D
5500	5580	0.119 W Conducted	18MOD1D
5510	5550	0.244 W Conducted	36M7D1D
5530	5530	0.113 W Conducted	75M8D1D
5660	5720	0.175 W Conducted	18MOD1D
5670	5710	0.243 W Conducted	37MOD1D
5690	5690	0.211 W Conducted	73M2D1D
5745	5825	0.396 W Conducted	27M8D1D
5745	5825	0.380 W Conducted	28MOD1D
5755	5795	0.400 W Conducted	40M7D1D
5775	5775	0.273 W Conducted	76M3D1D

**Antenna Information:**

Bluetooth & 2.4GHz: Flexible Dipole antenna with 3.32dBi gain  
 5.0GHz: Flexible Dipole antenna with 6.11dBi gain

**Notes & Conditions:**

Single modular approval for mobile RF exposure conditions. Co-transmission of this module with other transmitters requires a separate evaluation. The host integrator must follow the integration instructions provided by the module manufacturer and ensure that the composite-system end product complies with the ISED requirements by a technical assessment or evaluation to the ISED rules. This certificate is valid only when the module is sold to OEM integrators and the OEM integrators are instructed to ensure that the end user has no manual instructions to remove or install the module.