



American Certification Body Inc.  
6731 Whittier Ave, C110, McLean, VA 22101

September 14, 2018

Our Ref: ATCB023028

**Sierra Wireless Inc.  
13811 Wireless Way  
Richmond, BC  
V6A 3A4  
Canada**

**Attention: Ying Wang**

Dear Sir/Madame:

ACB, Inc. has reviewed the related documents and is pleased to advise that this application meets the Innovation, Science and Economic Development (ISED) Canada's Certification and Engineering Bureau procedural and specification requirements for certification. Copies of the original submission documents should be maintained for 10 years. The radio equipment is certified as described on the attached certificate(s).

We have notified the Bureau so they may record this equipment in the Department's Radio Equipment List (REL). Please note that certified equipment shall not be distributed, leased, sold, or offered for sale in Canada before the details of the certification appear in the REL. Status of this listing in the ISED's REL list may be found at the following web address:

<https://sms-sgs.ic.gc.ca/equipmentSearch/searchRadioEquipments?execution=e2s1&lang=en>

Please note that IC labeling as of Issue 11 of RSP-100 involves use of the IC Certification Number, Product Marketing Name (PMN), Hardware Version Identification Number (HVIN), and in some instances the Firmware Version Identification Number (FVIN) as follows.

- a) The assigned IC certification number and HVIN number must be shown on the exterior of the product or displayed electronically according to IC's E-labelling requirements.
- b) The PMN must be displayed electronically (E-labelling) or indicated on the exterior of the product, product packaging, or product literature available with the product or online.
- c) The IC Certification Number, PMN, and HVIN are permitted to be etched, engraved, stamped, printed on the product, or permanently affixed to a permanently attached part of the product in a way that is legible, indelible, and tamper proof.
- d) When the FVIN is the only differentiation between product versions (PMN and HVIN remain identical) listed in the REL within a family certification, the FVIN shall be displayed electronically or stored electronically and be easily retrievable.
- e) Any Modular Approval or Limited Modular Approval shall meet the labeling requirements above. In addition the Host Model Number (HMN) must be displayed by E-labeling or indicated at any location on the exterior of the host product and the host product shall be labeled to identify the modules within the host product according to RSP-100 Section 3.2.

Sincerely,

Michael F. Violette  
Director



**TECHNICAL ACCEPTANCE  
CERTIFICATE**

**CERTIFICAT D'ACCEPTABILITÉ  
TECHNIQUE**

CERTIFICATION No. No. DE CERTIFICATION	► 2417C-BX31A (New Family Certification)	
ISSUED TO DÉLIVRÉ A	► Sierra Wireless Inc. 13811 Wireless Way Richmond, BC V6A 3A4 Canada	
TYPE OF EQUIPMENT TYPE DE MATÉRIEL	► Spread Spectrum or Digital Device (2400-2483.5 MHz) WLAN; Bluetooth Device; Modular Approval	
PRODUCT MARKETING NAME (PMN): NOM DU PRODUIT MARKETING	► N/A	
HARDWARE VERSION IDENTIFICATION NUMBER (HVIN): MATÉRIEL NUMÉRO D'IDENTIFICATION DE VERSION	► BX3100 BX3105	
FIRMWARE VERSION IDENTIFICATION NUMBER (FVIN): FIRMWARE NUMÉRO D'IDENTIFICATION DE VERSION	► <Not Specified>	
FREQUENCY RANGE BANDE DE FRÉQUENCES	► 2400 - 2483.5 MHz ** See Annex 1 for Complete Detail **	
EMISSION DESIGNATION, R.F. POWER RATING, AND ANTENNA DESIGNATION D'ÉMISSION, PUISSANCE NOMINALE H.F., ET L'ANTENNE	► ** See Annex 1 for Complete Detail **	
CERTIFIED TO : CERTIFIÉ SELON LE :	SPECIFICATION / ISSUE CAHIER DES CHARGES / ÉDITION ► ** See Annex 1 for Complete Detail **	
TEST LABORATORY LABORATOIRE D'ESSAI	► Bureau Veritas Consumer Products Services (H.K.) LTD., Taoyuan Branch E-2, No. 1, Li Hsin 1 <sup>st</sup> Rd., Hsinchu Science Park, Hsinchu City, Taiwan 300 Tel: 886-3-3183232, Fax: - email: richard.chen@bureauveritas.com	SITE NUMBER NUMÉRO DE SITE ► 20331-2

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 ISDE 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 of the radio standards specifications and procedures issued by ISDE. 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 ISDE.

I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.

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REVISED DATE OF ISSUE: N/A

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 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.

J'atteste par la présente que le matériel a fait l'objet d'essai et jugé conforme à la spécification ci-dessus.

**Michael F. Violette  
Director**



## TECHNICAL ACCEPTANCE CERTIFICATE (ANNEX 1)

### Technical Features and Characteristics

The device includes the following features and characteristics:

RSS Standard		Frequency Band (MHz)	Modulation Method	Minimum RF Output Power Level (in Watts)	Maximum RF Output Power Level (in Watts) Or Field Strength	Emission Designator
RSS #	Issue #					
RSS-247	2	2402 - 2480	BT - Basic Rate	0.003 conducted	0.010 conducted	840KF1D
RSS-247	2	2402 - 2480	BT – EDR	0.009 conducted	0.016 conducted	1M19G1D
RSS-247	2	2402 - 2480	BT – Low Energy	0.003 conducted	0.009 conducted	1M04F1D
RSS-247	2	2412 - 2462	11b	0.076 conducted	0.078 conducted	10M9D1D
RSS-247	2	2412 - 2462	11g/11n (20)	0.143 conducted	0.183 conducted	18M2D1D
RSS-247	2	2422 - 2452	11n (40)	0.114 conducted	0.159 conducted	37M7D1D

ANTENNA INFORMATION (for model of BX3100)	
ANTENNA DESCRIPTION	GAIN (dBi) or Integral
External Antenna, Monopole	0
External Antenna, Dipole	2.5
External Antenna, Dipole	1.5
External Antenna, Dipole	2.27
External Antenna, Dipole	2.21

ANTENNA INFORMATION (for model of BX3105)	
ANTENNA DESCRIPTION	GAIN (dBi) or Integral
Printed Antenna on the PCB, PIFA	-1.65

Modular Approval	
If Known Host Marketing Number(s) (HMN)	Limited Modular Approval (LMA) or Modular Approval (MA)
-	Modular Approval

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