



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

June 7, 2016

Our Ref: ATCB019067

**LS Research LLC**  
**W66 N 220 Commerce Court**  
**Cedarburg, WI 53012**  
**USA**

**Attention: Thomas T. Smith**

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 Industry Canada'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



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

REF No. ► ATCB019067

## TECHNICAL ACCEPTANCE CERTIFICATE

## CERTIFICAT D'ACCEPTABILITÉ TECHNIQUE

CERTIFICATION No.  
No. DE CERTIFICATION

► 5969A-1003 (New Single Certification)

ISSUED TO  
DÉLIVRÉ À

► LS Research LLC  
W66 N 220 Commerce Court  
Cedarburg, WI 53012  
USA

TYPE OF EQUIPMENT  
TYPE DE MATÉRIEL

► Modular Approval, WLAN, Bluetooth Device  
Spread Spectrum/Digital Device (2400-2483.5 MHz)

PRODUCT MARKETING NAME (PMN):  
NOM DU PRODUIT MARKETING

► Sterling-LWB

HARDWARE VERSION IDENTIFICATION NUMBER (HVIN):  
MATÉRIEL NUMÉRO D'IDENTIFICATION DE VERSION

► STERLING-LWB

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 \*\*

TEST LABORATORY  
LABORATOIRE D'ESSAI

► LS Research, LLC  
W66 N 220 Commerce Court  
Cedarburg, WI 53012 USA

SITE NUMBER ► 3088A-3  
NUMÉRO DE SITE

Tel: (262)421-4991, Fax: (262) 364-2649  
email: twhite@lsr.com

CERTIFIED TO  
CERTIFIÉ SELON LE

► SPECIFICATION  
CAHIER DES CHARGES

RSS - 247

ISSUE 1  
ÉDITION

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 Industry Canada 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 Industry Canada. 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 Industry Canada.

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

ORIGINAL DATE OF ISSUE: June 7, 2016  
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'Industrie Canada 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'Industrie Canada. 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 Industrie Canada.

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:

Frequency Band (MHz)	Modulation Method	Minimum RF Output Power Level (in Watts)	Maximum RF Output Power Level (in Watts) Or Field Strength	Emission Designator
2402 - 2480	BT - Low Energy	0.0045 conducted	0.0056 conducted	1M09G1D
2402 - 2480	BT – Basic Rate	0.0063	0.0078	912KG1D
2402 - 2480	BT – EDR2	0.0035	0.0042	1M21GXD
2402 - 2480	BT – EDR3	0.0038	0.0044	1M21GXD
2412 - 2462	802.11b	0.0537	0.1023	14M0G1W
2412 - 2462	802.11g	0.1820	0.2519	16M6W1W
2412 - 2462	802.11n(20)	0.1202	0.21877	17M7W1W

ANTENNA INFORMATION	
ANTENNA DESCRIPTION	GAIN (dBi) or Integral
Surface Mount Chip Antenna	1.5
PIFA Antenna	2.0
Notch Antenna	2.0
Dipole Antenna	2.0