



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

July 8, 2019

Our Ref: ATCB024087

**Intel Mobile Communications
100 Center Point Circle, Suite 200
Columbia, SC
29210
USA**

Attention: Steven Hackett

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 ► **1000M-AX200NG (Modifications - C4PC)**

ISSUED TO / DÉLIVRÉ A ► **Intel Mobile Communications
100 Center Point Circle, Suite 200
Columbia, SC
29210
USA**

TYPE OF EQUIPMENT / TYPE DE MATÉRIEL ► **Spread Spectrum/Digital Device (2400-2483.5 MHz), Bluetooth Device, WLAN
Spread Spectrum/Digital Device (5725-5850 MHz), WiFi Device**

PRODUCT MARKETING NAME (PMN): / NOM DU PRODUIT MARKETING ► **Intel Wireless-AX200**

HARDWARE VERSION IDENTIFICATION NUMBER (HVIN): / MATÉRIEL NUMÉRO D'IDENTIFICATION DE VERSION ► **AX200NGW**

FIRMWARE VERSION IDENTIFICATION NUMBER (FVIN): / FIRMWARE NUMÉRO D'IDENTIFICATION DE VERSION ► **QCCFL357**

FREQUENCY RANGE / BANDE DE FRÉQUENCES ► **2400-2484 MHz, 5150-5350 MHz, 5470-5725 MHz, 5725-5850 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 ► **Intel Mobile Communications France S.A.S. SITE NUMBER / NUMÉRO DE SITE ► 1000Y-1
425 rue de Goa Le Cargo B6
Antibes, France 06600**

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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 of the radio standards specifications 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.

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-BR	0.012 Conducted	0.012 Conducted	830KF1D
RSS-247	2	2402-2480	BT-EDR	0.01 Conducted	0.01 Conducted	1M41G1D
RSS-247	2	2402-2480	BT – EDR 3	0.01 Conducted	0.01 Conducted	1M41G1D
RSS-247	2	2402-2480	BT – BLE	0.008 Conducted	0.008 Conducted	1M16F1D
RSS-247	2	2412-2472	11b	0.063 Conducted	0.295 Conducted	14M6D2W
RSS-247	2	2412-2472	11g	0.109 Conducted	0.948 Conducted	19M9D7W
RSS-247	2	2412-2472	11n - 20	0.047 Conducted	0.973 Conducted	19M1D7W
RSS-247	2	2422-2462	11n - 40	0.047 Conducted	0.494 Conducted	36M5D7W
RSS-247	2	2412-2472	11ax - 20	0.017 Conducted	0.988 Conducted	19M1D7W
RSS-247	2	2422-2462	11ax – 40	0.059 Conducted	0.777 Conducted	37M9D7W
RSS-247	2	5180-5240	11ax – 20	0.006 Conducted	0.052 Conducted	19M1D7W
RSS-247	2	5190-5230	11n – 40	0.058 Conducted	0.062 Conducted	36M6D7W
RSS-247	2	5210-5210	11ax – 80	0.06 Conducted	0.062 Conducted	76M8D7W
RSS-247	2	5250-5250	11ax – 160	0.029 Conducted	0.096 Conducted	154M6D7W
RSS-247	2	5260-5320	11n – 20	0.061 Conducted	0.184 Conducted	18M5D7W
RSS-247	2	5290-5290	11ax– 80	0.057 Conducted	0.089 Conducted	76M7D7W
RSS-247	2	5500-5700	11ax – 20	0.023 Conducted	0.2 Conducted	19M3D7W
RSS-247	2	5530-5610	11ac – 80	0.073 Conducted	0.158 Conducted	75M2D7W
RSS-247	2	5510-5670	11n – 40	0.071 Conducted	0.21 Conducted	37M3D7W
RSS-247	2	5710-5710	11n – 40	0.071 Conducted	0.21 Conducted	39M6D7W
RSS-247	2	5720-5720	11ax – 20	0.023 Conducted	0.2 Conducted	18M6D7W
RSS-247	2	5690-5690	11ac – 80	0.073 Conducted	0.158 Conducted	79M9D7W
RSS-247	2	5745-5825	11ax – 20	0.034 Conducted	0.206 Conducted	19M4D7W
RSS-247	2	5755-5795	11n – 40	0.128 Conducted	0.202 Conducted	37M4D7W
RSS-247	2	5775-5775	11ax– 80	0.07 Conducted	0.163 Conducted	76M8D7W

This change is to request approval for portable category specific host TONGFANG, model number: QC7.
Antenna – Auden (Tx1 and Tx2), Main TX1 - ANTRG5T119-1802
Aux TX2 - ANTRG5T119-1801.

Antenna is of the same type and lower gain from original approval.
SAR testing was performed to demonstrate RF compliance.

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TECHNICAL ACCEPTANCE CERTIFICATE (ANNEX 1)

ANTENNA INFORMATION	
ANTENNA DESCRIPTION	GAIN (dBi) or Integral
Antenna – Auden (Tx1 and Tx2), Main TX1 - ANTRG5T119-1802 Aux TX2 - ANTRG5T119-1801	
2400-2484 MHz	2.85 dBi
5150-5350 MHz	0.81 dBi
5470-5725 MHz	-0.91 dBi
5725-5850 MHz	-0.03 dBi

This module is approved in portable/mobile configurations.

Modular Approval	
If Known Host Marketing Number(s) (HMN)	Limited Modular Approval (LMA) or Modular Approval (MA)
TONGFANG, model number: QC7	Modular Approval

OEM/Host integrator is responsible for complying with the instructions and requirements for each Transmitter they choose to integrate into a host product.

Industry Canada requires this product to be used indoors for the frequency range of 5.15 GHz to 5.25 GHz to reduce the potential for harmful interference to co-channel mobile satellite systems.

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