



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

May 28, 2021

Our Ref: ATCB026601

**GN Audix A/S
Lautrupbjerg 7
2750 Ballerup
Denmark**

Attention: Steen Kaiser

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 per 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 unless the device is of such size that ISED's policy requires the host to be certified instead. 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 RSS-Gen Section 4.3.

Sincerely,

Michael F. Violette
Director



**TECHNICAL ACCEPTANCE
CERTIFICATE**

**CERTIFICAT D'ACCEPTABILITÉ
TECHNIQUE**

CERTIFICATION No. NUMÉRO DE CERTIFICATION	► 2638C-VSM020 (New Single Certification)
ISSUED TO DÉLIVRÉ A	► GN Audix A/S Lautrupbjerg 7 2750 Ballerup Denmark
TYPE OF EQUIPMENT TYPE DE MATÉRIEL	► Bluetooth Device, Spread Spectrum/Digital Device (2400-2483.5 MHz), WLAN, Spread Spectrum/Digital Device (5725-5850 MHz),
PRODUCT MARKETING NAME (PMN): NOM DU PRODUIT MARKETING	► PanaCast 50
HARDWARE VERSION IDENTIFICATION NUMBER (HVIN): MATÉRIEL NUMÉRO D'IDENTIFICATION DE VERSION	► VSM020
FIRMWARE VERSION IDENTIFICATION NUMBER (FVIN): FIRMWARE NUMÉRO D'IDENTIFICATION DE VERSION	► <Not Specified>
FREQUENCY RANGE BANDE DE FRÉQUENCES	► 2.4 GHz to 2.4835 GHz, 5.15 GHz to 5.35 GHz, 5.47 GHz to 5.85 GHz ** 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
TEST LABORATORY LABORATOIRE D'ESSAI	► DEKRA Testing and Certification Co., Ltd. COMPANY NUMBER ► 25880 (Lin Kou Laboratory) NUMÉRO DE COMPAGNIE No.159, Sec. 2, Wenhua 1st Rd., Linkou Dist. New Taipei , Taipei Taiwan 24457 Contact: Mirenda Liao email: mirenda.liao@dekra.com

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.

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.


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.

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.

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.

ORIGINAL DATE OF ISSUE: May 28, 2021
REVISED DATE OF ISSUE: N/A


Michael F. Violette
Director



TECHNICAL ACCEPTANCE CERTIFICATE (ANNEX 1)

Technical Features and Characteristics

The device includes the following features and characteristics:

	A		B	C	D	E	F
	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 #	Min to Max	i.e. 802.11b, BT – EDR, etc.		Include Type*	
1	247	2	2402-2480	BT-BR (GFSK)	0.0056 (Cond.)	0.0056 (Cond.)	865KF1D
2	247	2	2402-2480	BT-EDR ($\pi/4$ -DQPSK)	0.0046 (Cond.)	0.0046 (Cond.)	1M20G1D
3	247	2	2402-2480	BT-EDR (8-DPSK)	0.0046 (Cond.)	0.0046 (Cond.)	1M20G1D
4	247	2	2402-2480	BT-LE (GFSK)	0.0030 (Cond.)	0.0030 (Cond.)	2M03F1D
5	247	2	2412-2462	802.11b (DSSS)	0.0181 (Cond.)	0.0181 (Cond.)	8M20D2W
6	247	2	2412-2462	802.11g (OFDM)	0.0724 (Cond.)	0.0724 (Cond.)	15M6D7W
7	247	2	2412-2462	802.11n (OFDM-20 MHz)	0.0601 (Cond.)	0.0601 (Cond.)	16M1D7W
8	247	2	2422-2452	802.11n (OFDM-40 MHz)	0.0752 (Cond.)	0.0752 (Cond.)	35M8D7W
9	247	2	5180-5240	802.11a (OFDM)	0.0249 (Cond.)	0.0249 (Cond.)	16M7D7W
10	247	2	5180-5240	802.11n (OFDM)	0.0306 (Cond.)	0.0306 (Cond.)	17M9D7W
11	247	2	5190-5230	802.11ac (OFDM-40 MHz)	0.0279 (Cond.)	0.0279 (Cond.)	36M7D7W
12	247	2	5210	802.11ac (OFDM-80 MHz)	0.0244 (Cond.)	0.0244 (Cond.)	75M9 D7W
13	247	2	5260-5320	802.11a (OFDM)	0.0244 (Cond.)	0.0244 (Cond.)	16M7D7W
14	247	2	5260-5320	802.11n (OFDM)	0.0314 (Cond.)	0.0314 (Cond.)	17M9D7W
15	247	2	5270-5310	802.11ac (OFDM-40 MHz)	0.0263 (Cond.)	0.0263 (Cond.)	36M7D7W
16	247	2	5290	802.11ac (OFDM-80 MHz)	0.0236 (Cond.)	0.0236 (Cond.)	76M1D7W
17	247	2	5500-5700	802.11a (OFDM)	0.0312 (Cond.)	0.0312 (Cond.)	16M8D7W

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REVISED DATE OF ISSUE: N/A



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	A		B	C	D	E	F
	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 #	Min to Max	i.e. 802.11b, BT – EDR, etc.		Include Type*	
18	247	2	5500-5720	802.11n (OFDM)	0.0314 (Cond.)	0.0314 (Cond.)	17M9D7W
19	247	2	5510-5710	802.11ac (OFDM-40 MHz)	0.0272 (Cond.)	0.0272 (Cond.)	36M7D7W
20	247	2	5530-5690	802.11ac (OFDM-80 MHz)	0.0248 (Cond.)	0.0248 (Cond.)	75M9D7W
21	247	2	5745-5825	802.11a (OFDM)	0.0313 (Cond.)	0.0313 (Cond.)	16M7D7W
22	247	2	5720-5825	802.11n (OFDM)	0.0313 (Cond.)	0.0313 (Cond.)	17M9D7W
23	247	2	5710-5795	802.11ac (OFDM-40 MHz)	0.0273 (Cond.)	0.0273 (Cond.)	36M2D7W
24	247	2	5690-5775	802.11ac (OFDM-80 MHz)	0.0243 (Cond.)	0.0243 (Cond.)	75M9D7W

ANTENNA INFORMATION	
Antenna Type: PIFA	
ANTENNA DESCRIPTION	GAIN (dBi) or Integral
2.4 GHz	4.16
5.15 GHz to 5.35 GHz	-0.46
5.47 GHz to 5.725 GHz	-0.6
5.725 GHz to 5.85 GHz	0.01

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