



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

June 20, 2016

Our Ref: ATCB019159

VEGA Grieshaber KG
Am Hohenstein 113
D-77716 Schiltach
Germany

Attention: Jurgen Motzer

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



**TECHNICAL ACCEPTANCE
CERTIFICATE**

**CERTIFICAT D'ACCEPTABILITÉ
TECHNIQUE**

CERTIFICATION No.
No. DE CERTIFICATION

► **3892A-PS60XW2 (New Single Certification)**

ISSUED TO
DÉLIVRÉ A

► **VEGA Grieshaber KG
Am Hohenstein 113
D-77716 Schiltach
Germany**

TYPE OF EQUIPMENT
TYPE DE MATÉRIEL

► **Radar Device**

PRODUCT MARKETING NAME (PMN):
NOM DU PRODUIT MARKETING

► **PS64W**

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

► **PS64W**

FIRMWARE VERSION IDENTIFICATION NUMBER (FVIN):
FIRMWARE NUMÉRO D'IDENTIFICATION DE VERSION

► **<Not Specified>**

FREQUENCY RANGE
BANDE DE FRÉQUENCES

► **78000 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

► **Rhein Tech Laboratories, Inc.
360 Herndon Parkway, Suite 1400
Herndon, VA 20170**

SITE NUMBER ► **2956A-1**
NUMÉRO DE SITE

**Tel: (703) 689-0368, Fax: (703) 689-2056
email: kgrzovic@rheintech.com**

CERTIFIED TO
CERTIFIÉ SELON LE

► SPECIFICATION
CAHIER DES CHARGES

RSS-211

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.

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.

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.

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.

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 jugé conforme à la spécification ci-dessus.

ORIGINAL DATE OF ISSUE: June 20, 2016
REVISED DATE OF ISSUE: June 20, 2016

**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
78000	FMCW	-	123.4 dBuV/m @ 1m (i.e. 0.07244 W EIRP) 1.5" Encap. Antenna	4G03F3N
78000	FMCW	-	All Antennas in container, less than appx. 65 dBuV/m @ 3m Peak	4G03F3N

ANTENNA INFORMATION	
ANTENNA DESCRIPTION	GAIN (dBi) or Integral
¾" Encapsulated Metal Horn	18.5
1.5" Encapsulated Metal Horn	24.3
75 mm Encapsulated Plastic Horn	33.2
2" Encapsulated Horn	29.7
3" Encapsulated Horn	33.7

Notes: This device is approved for downward and swivel configurations when installed in an fully enclosed stationary metal, concrete, or reinforced fiberglass vessels only.

For operation outside of closed metal, concrete, and reinforced fiberglass vessels under RSS-211 Section 5.2, only the 1.5 inch encapsulated Metal Horn antenna may be used and must be installed and maintained to ensure a vertically downward orientation of the transmit antenna's main beam. Additionally under RSS-211 Section 5.2, the device may only operate at fixed locations and may not operate while being moved, or while inside a moving container. Hand-held applications are prohibited.