

# TIMCO ENGINEERING INC.

849 NW State Road 45  
Newberry, Florida 32669

<http://www.timcoengr.com>

888.472.2424 F 352.472.2030 email: [tei@timcoengr.com](mailto:tei@timcoengr.com)

11/30/2015

Our File: 2441IC15  
Radio Cert. No.: IC: 10147A-341

INVENTEK SYSTEMS  
2 REPUBLIC ROAD  
BILLERICA, MA 01862

Attention: MARTIN TIERNEY

Dear Sir/Madame:

I have reviewed the test report and related documents, and am pleased to advise that this device meets our procedural and specification requirements for certification. The field offices have been notified.

The assigned certification number and the model number must be shown on each equipment model. This certification identification information may be shown on the equipment model identification plate or on a separate label that shall be indelible and tamper proof. The certification number shall be prefixed with the letters "IC:" Radio equipment is certified as described on the attached certification certificate.

Certificate(s) are attached for the following HVIN/ model(s):

ISM43340-M4G-L44-C, ISM43340-M4G-L44-U, ISM43341-M4G-L44-C, ISM43341-M4G-L44-U, ISM43340-M4G-L44-10CFH, ISM43340-M4G-L44-10UFH, ISM43341-M4G-L44-10CFH, ISM43341-M4G-L44-10UFH, ISM341-USB

Please feel free to contact us if you have any questions or comments.

Sincerely,

*Timco Engineering Inc.*

**Canadian Certification**

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No. ➤ 2441IC15

## TECHNICAL ACCEPTANCE CERTIFICATE

**Certification No.**

➤ IC: 10147A-341

**Issued To**

➤ INVENTEK SYSTEMS  
2 REPUBLIC ROAD,  
BILLERICA, MA 01862

**Tested By**

➤ US TECH  
Company No: 9900A  
3505 FRANCIS CIRCLE,  
ALPHARETTA, GEORGIA 30004 USA  
770-740-0717 ext 232; 770-740-1508  
[smcenery@ustech-lab.com](mailto:smcenery@ustech-lab.com); [gyang@ustech-lab.com](mailto:gyang@ustech-lab.com)

**Type of Equipment**

- Low Power Transmitter General Field Limits (9 kHz–30 MHz)
- Low Power Device (2400–2483.5 MHz)
- Spread Spectrum/Digital Device (2400–2483.5 MHz)
- Wi-Fi device
- Modular Approval (MA)

**Type of Service**

- New Family Certification

**Hardware Version Id Number (HVIN)**

- ISM43340-M4G-L44-C

**Product Marketing Name: (PMN)**

- ISM4334x-M4G-L44

**Firmware Version Id Number (FVIN)**

➤

**Host Marketing (HMN)**

➤

FREQUENCY RANGE	DESIGNATION OF EMISSIONS <small>NECESSARY BANDWIDTH IN kHz</small>	EMISSION CLASSIFICATION	R.F. POWER	ANTENNA INFO	SPECIFICATION/ ISSUE & DATE	
5180 – 5240 MHz	17640	D1D	0.067 W	See Note2	RSS-247	Issue 1; May 15
5745 – 5825 MHz	18030	D1D	0.066 W	See Note2	RSS-247	Issue 1; May 15
2412 – 2462 MHz	18300	D1D	0.063 W	See Note3	RSS-247	Issue 1; May 15
2402 – 2480 MHz	991	F1D	101.57dBuV\@3m	See Note3	RSS-247	Issue 1; May 15
13.56 MHz	3.14	N1D	57.58dBuV\@3m	Loop	RSS-210	Issue 8; Dec 10

Note1: This equipment also complies with RSS-102, Issue 5 (March 2015) and RSS-Gen, Issue 4 (Nov 2014)

Note2: Chip, 2.3 dBi u.fl, 3.3 dBi

Note3: Chip, 1.4 dBi u.fl, 2.6 dBi

Certification of equipment means only that the equipment has met the requirements of the above noted specifications. License applications, where applicable to use certified equipment, are acted on accordingly by the 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 et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation.

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

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

ISSUED UNDER THE AUTHORITY OF MINISTER OF INDUSTRY

## Canadian Certification

\\timco-file\tesys2\TimcoOffice\Templates\Forms\IC\_Certification\_Letter.docx ver. 150508

A blue ink signature of S. S. Sanders, written over a circular official seal.

DATE: November 30, 2015

S. S. Sanders, President

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- ISM43341-M4G-L44-C

**Product Marketing Name: (PMN)**

- ISM4334x-M4G-L44

**Firmware Version Id Number (FVIN)**

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- Modular Approval (MA)

**Type of Service**

- New Family Certification

**Hardware Version Id Number (HVIN)**

- ISM43341-M4G-L44-U

**Product Marketing Name: (PMN)**

- ISM4334x-M4G-L44

**Firmware Version Id Number (FVIN)**

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**Hardware Version Id Number (HVIN)**

- ISM43340-M4G-L44-10CFH

**Product Marketing Name: (PMN)**

- ISM4334x-M4G-L44

**Firmware Version Id Number (FVIN)**

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5745 – 5825 MHz	18030	D1D	0.066 W	See Note2	RSS-247	Issue 1; May 15
2412 – 2462 MHz	18300	D1D	0.063 W	See Note3	RSS-247	Issue 1; May 15
2402 – 2480 MHz	991	F1D	101.57dBuV\@3m	See Note3	RSS-247	Issue 1; May 15
13.56 MHz	3.14	N1D	57.58dBuV\@3m	Loop	RSS-210	Issue 8; Dec 10

Note1: This equipment also complies with RSS-102, Issue 5 (March 2015) and RSS-Gen, Issue 4 (Nov 2014)

Note2: Chip, 2.3 dBi u.fl, 3.3 dBi

Note3: Chip, 1.4 dBi u.fl, 2.6 dBi

Certification of equipment means only that the equipment has met the requirements of the above noted specifications. License applications, where applicable to use certified equipment, are acted on accordingly by the 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 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.

Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'Industrie Canada.

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

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

ISSUED UNDER THE AUTHORITY OF MINISTER OF INDUSTRY  
DÉLIVRÉ AVEC L'AUTORISATION DU MINISTRE DES INDUSTRIES

## Canadian Certification

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DATE: November 30, 2015

A blue ink signature of S. S. Sanders, written in a cursive style, positioned above a horizontal line.

S. S. Sanders, President

# Canadian Certification

# TIMCO ENGINEERING INC.

849 NW State Road 45  
Newberry, Florida 32669

<http://www.timcoengr.com>

888.472.2424 F 352.472.2030 email: [tei@timcoengr.com](mailto:tei@timcoengr.com)

No. ➤ 2441IC15

## TECHNICAL ACCEPTANCE CERTIFICATE

**Certification No.**

➤ IC: 10147A-341

**Issued To**

➤ INVENTEK SYSTEMS  
2 REPUBLIC ROAD,  
BILLERICA, MA 01862

**Tested By**

➤ US TECH  
Company No: 9900A  
3505 FRANCIS CIRCLE,  
ALPHARETTA, GEORGIA 30004 USA  
770-740-0717 ext 232; 770-740-1508  
[smcenery@ustech-lab.com](mailto:smcenery@ustech-lab.com); [gyang@ustech-lab.com](mailto:gyang@ustech-lab.com)

**Type of Equipment**

- Low Power Transmitter General Field Limits (9 kHz–30 MHz)
- Low Power Device (2400–2483.5 MHz)
- Spread Spectrum/Digital Device (2400–2483.5 MHz)
- Wi-Fi device
- Modular Approval (MA)

**Type of Service**

- New Family Certification

**Hardware Version Id Number (HVIN)**

- ISM43341-M4G-L44-10UFH

**Product Marketing Name: (PMN)**

- ISM4334x-M4G-L44

**Firmware Version Id Number (FVIN)**

➤

**Host Marketing (HMN)**

➤

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- Low Power Device (2400–2483.5 MHz)
- Spread Spectrum/Digital Device (2400–2483.5 MHz)
- Wi-Fi device
- Modular Approval (MA)

**Type of Service**

- New Family Certification

**Hardware Version Id Number (HVIN)**

- ISM341-USB

**Product Marketing Name: (PMN)**

- ISM4334x-M4G-L44

**Firmware Version Id Number (FVIN)**

➤

**Host Marketing (HMN)**

➤

FREQUENCY RANGE	DESIGNATION OF EMISSIONS NECESSARY BANDWIDTH IN kHz	EMISSION CLASSIFICATION	R.F. POWER	ANTENNA INFO	SPECIFICATION/ ISSUE & DATE	
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