



## UltraTech's Accreditations:



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SL2-IN-E-1119R



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March 03, 2008

Ultratech Ref.: 8IC018\_MXS-067Q  
IC: 1846A-XBEEEXSC

Digi International Inc.  
11001 Bren Road E.  
Minnetonka, MN, USA 55343

Attention: Paul Dahl, Hardware Manager

Dear Sir:

I have reviewed the test report and related documents, and am pleased to advise that this application meets Industry Canada procedural and specification requirements for certification. This radio equipment is certified as described on the attached certificate(s).

The assigned certification no. and model no. must be shown on each equipment identification plate or on a separate label that shall be indelible and tamper proof. The certification number shall be prefixed with the letters "IC:"

Certificate(s) are attached for following model(s): **XBEEEXSC**

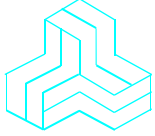
We have notified the bureau so they may record this equipment in the Department's Radio Equipment List (REL). Please note that the certified equipment shall not be distributed, leased, sold, or offered for sale in Canada before the details of the certification appear in the REL. Status of this listing may be found at the following web address:

<http://strategis.ic.gc.ca/app/sitt/reltel/search/newRadioSearch.do?language=eng>

Yours truly,

Victor H. Kee, P. Eng.,  
Chief Certification Officer

Encl



**TECHNICAL ACCEPTANCE CERTIFICATE  
CERTIFICAT D'ACCEPTABILITÉ TECHNIQUE**

Ultratech Ref.: 8IC018\_MXS-067Q

**Ultratech Engineering Labs, Inc.**

**Ultratech Engineering Labs, Inc. certifies that device as detailed below complies with all applicable requirements of the stated Industry Canada's specifications:**

Certification No. No. de Certification	➤	<b>1846A-XBEEEXSC</b>		
Issued to Délivré A	➤	<b>Digi International Inc. 11001 Bren Road E. Minnetonka, MN, USA 55343</b>		
Type of Equipment Genre de Matériel	➤	<b>Modular Approval, Spread Spectrum/Digital Device (902-928 MHz)</b>		
Trade Name and Model Marque et Modele	➤	<b>XBee_PRO XSC RF Module, Model No.: XBEEEXSC</b>		
Frequency Range Bande de Fréquences	➤	<b>902.7 - 927.3 MHz</b>		
Emission Designation Designation D'emission	➤	<b>372K7W</b>		
R.F. Power Rating Puissance Nominale H.F.	➤	<b>0.1 Watts</b>		
Antenna Antenne	➤	<b>9.2 dBi Omni-Directional and 15.1 dBi (Yagi)</b>		
Test Laboratory Laboratoire D'essai	➤	<b>Ultratech Engineering Labs Inc. 3000 Bristol Circle Oakville, ON Canada L6H 6G4 <u>tri@ultratech-labs.com</u> 905-829-1570, 905-829-8050</b>	Site Number Numéro de Site	➤ <b>2049A-3</b>
Certified to Certifié Selonle	➤	Specification Spécification	<b>RSS-210</b>	Issue & Date Édition & Date
				<b>7 &amp; June 2007</b>

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.

This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by Industry Canada and pursuant to the terms and conditions specified with this grant.

**ISSUED UNDER THE AUTHORITY OF ULTRATECH ENGINEERING LABS, INC.  
DÉLIVRÉ AVEC L'AUTORISATION DU ULTRATECH ENGINEERING LABS, INC.**

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.

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

Certified by:

Mr. Victor H Kee, P.Eng.  
Chief Certification Officer

**Date:** March 03, 2008

## **Terms and Conditions of the Grant**

This Grant, issued by Ultratech Groups of Labs, shall be subject to the following terms, conditions and notices:

### **1. Limitations of the grant**

The grant of an equipment authorization signifies that the Ultratech's Certification Division has determined that the equipment has been evaluated in compliance with the applicable technical standards provided no unauthorized changes are made in the equipment and the equipment is properly maintained and operated.

Grantee shall be acknowledged that no person shall, in any advertising matter, brochure, etc., use or make reference to an equipment authorization in a deceptive or misleading manner or convey the impression that such equipment authorization reflects more than the determination that the device or product has been shown to be capable of compliance with the applicable technical standards.

### **2. Responsibility**

In accepting a grant of an equipment authorization the grantee warrants that each unit of equipment marketed under such grant and bearing the identification specified in the grant will conform to the unit that was measured and that the data (design and rated operational characteristics) filed with the application for certification or verification continues to be representative of the equipment being produced under such grant within the variation that can be expected due to quantity production and testing on a statistical basis.

### **3. Modification of equipment**

A new application for an equipment authorization shall be filed whenever there is a change in the design, circuitry or construction of an equipment or device for which an equipment authorization has been issued.

### **4. Change in identification of equipment**

A new application for equipment authorization shall be filed whenever there is a change in the identification of the equipment with or without a change in design, circuitry or construction. However, for electrically identical equipment, a change in type or model number will not be considered a change in identification; hence, it will not require a new application for equipment authorization provided a statement was received from our certification division.

An application filed pursuant to this section where no change in design, circuitry or construction is involved, need not be accompanied by a resubmission of equipment or measurement or test data customarily required with a new application, unless specifically requested by regulatory authorities.

In lieu thereof, the applicant shall attach a statement setting out:

- The original identification used on the equipment prior to the change in identification.
- The date of the original grant of the equipment authorization.
- The original authorization number assigned by the Ultratech, if one was previously assigned.
- How the equipment bearing the modified identification differs from the original equipment.
- Whether the data previously filed with us continues to be representative of and applicable to the equipment bearing the changed identification.

### **5. Change in name and or address of grantee**

Whenever there is a change in the name and/or address of the grantee of an equipment authorization, written statement of such change(s) shall be filed within 30 days after the grantee starts using the new name and/or address, in order to update the records of grantee

### **6. Change in control of grantee**

In the case of a transfer of control of the grantee of an equipment authorization, as in the case of sale or merger of the grantee, statement of such transfer must be received no later than 60 days subsequent to the consummation of the agreement affecting the transfer of control.

Depending on the circumstances in each case, a new equipment authorization may be required for each device or equipment held by the predecessor in interest.

### **7. Equipment failure and/or defect in design**

When a complaint is filed with Ultratech concerning the failure of equipment subject to this section to comply with pertinent requirements of the regulatory authority's rules, and when determined that the complaint is justified and arises out of an equipment fault attributable to the responsible party, Certification Division may study such complaint and report the results of such investigation to the regulatory authorities.

The report shall also indicate what action, if any has been taken or is proposed to be taken by the grantee to correct the defect, both in terms of future production and with reference to the articles in the possession of users, sellers and distributors.

Fail to provide corrective action which stated above from the grantee, the equipment authorization will be terminated. A written notice shall be issued to the grantee stating the reason of the termination.

Whenever a grantee failed or intended to neglect to file the changes made in design, circuitry and construction which significantly altered the characteristic of the equipment performances. The equipment authorization will also be terminated

## **8. Retention of Records**

For each equipment for which an equipment authorization has been issued, the grantee shall be notified to maintain the records listed below:

- A record of the original design drawings and specifications and all changes that have been made that may affect compliance with the requirements.
- A record of the procedures used for production inspection and testing to ensure the conformance of governing authority.
- A record of the test results that demonstrate compliance with the appropriate regulations.

The provisions of this section shall also apply to a manufacturer of equipment produced under an FCC equipment authorization pursuant to a license, purchase or other contractual agreements between said manufacturer and the grantee of the equipment authorization. Retention of records by said manufacturer in these circumstances shall satisfy the grantee's responsibility under this section.

Technical records shall be retained for one year after the manufacture of said equipment item has been permanently discontinued, or until the conclusion of an investigation or a proceeding if the grantee is officially notified that an investigation or any other administrative proceeding involving his equipment has been instituted.

## **9. Revocation or withdraw of equipment authorization**

Equipment authorization may be revoked under following situation:

- a. For false statements or representations made either in the application or in materials or response submitted in connection therewith or in records required to be kept as 4.5.8.
- b. If upon follow-up inspection or operation it is determined that the equipment does not conform to the pertinent technical requirements or to the representations made in the original application.
- c. If it is determined that changes have been made in the equipment other than those authorized by the rules or otherwise expressly authorized by Ultratech.
- d. Because of conditions coming to the attention of the governing authorities which would warrant it in refusing to grant an original application.
- e. Equipment authorization may be withdrawn in the event of changes made to the technical standards. The procedure to be followed will be set forth in the order promulgating such new technical standards (after appropriate rulemaking proceedings) and will provide a suitable

## **10. Submission of equipment for testing**

For the purpose of certification or verification the grantee is responsible to submit sample for measurement to the Oakville laboratory together with technical document and instructions on operation.

The measurement and test results shall comply with the applicable standards in order to renew certificate. Should a negative test results obtained form the select sample, written notice shall be sent to the grantee stating the findings.

In the event that the applicant believes that shipment of the sample to the laboratory is impractical because of the size or weight of the equipment, or the power requirement, or for any other reason, the applicant may submit a written explanation why such shipment is impractical. Then an on-site test program shall be initiated at the manufacturing site

## **11. Follow-up Sampling test of equipment compliance**

To ensure the equipment compliance with the technical standards, grantees and/or manufacturers are required to submit the equipment to our laboratory to determine the extent to which subsequent production of such equipment continues to comply with the filed data of the applicant after equipment authorization was granted.

Shipping costs to the laboratory and return shall be borne by the responsible party.

In the event that the certificate holder believed that the follow-up inspection is not necessary because of no changes were made to the granted equipment, a written statement confirming the current equipment status shall be made by the grantee.

A discussion between management teams and certification division will be held in a situation of the grantee failed to submit sample for re-inspection or issue a compliance statement.

## **12. Renewal of equipment authorization**

Certificate issued by Certification Division has no predetermined expiration date, provided the conditions stated in the above clauses are met.

In the event of anomalies, defective or non-compliance were found by governing authorities or the third party, corrective action and a new application for equipment authorization becomes mandatory. Grantee is advised to formulate a corrective action to the problem according to requirement of QA system. The main cause need to be stated in the corrective action. Upon the receipt of such statement, Certification Division will check the effectiveness of the action and interact with the third party and presents the prospective problem solution. Renewal can only be achieved after a positive response was received.

Proof of certificate renewal is done by adhesive sticker issued after the decision is made by Certification Division. Each renewal sticker bears serial number and the year code from Certification Division.