



**Symbol Technologies, Inc.**

23 May 2002

Bob Heon  
Zebra Technologies  
30 Plan Way  
Warwick, RI 02886

RE: Authorization for ZEBRA Corporation to apply for Regulatory Approvals for products that include the Symbol Technologies Inc. radio card Model number LA-3021-100.

Dear Mr. Heon,

This letter grants authorization for ZEBRA to apply for Regulatory Approvals for ZEBRA products that include the Symbol Technologies Inc. radio card:

Model number LA-3021-100

This letter grants authorization for ZEBRA to apply to the Federal Communications Commission, Industry Canada, and other International Regulatory Agencies for a Grant under ZEBRA's Grantee Code or the equivalent, for ZEBRA products that include the Symbol Technologies Inc. radio card:

Model number LA-3021-100

This letter grants authorization for ZEBRA to apply to the Federal Communications Commission for a Class II Permissive Change for Zebra products that include the Symbol Technologies Inc. radio card:

Model number LA-3021-100, FCC ID H9PLA3021-100

No other changes or modifications are authorized; all of Symbol Technologies Inc. Regulatory Approvals for the radio card Model number LA-3021-100 are to remain in effect and on file.

This letter of authorization to remain in effect until notified or 3 years, which ever comes first.

Respectfully

A handwritten signature in cursive script, appearing to read "Marks S. Luksich".

Marks S. Luksich  
Senior Manager, Regulatory  
Symbol Technologies Inc.



**Zebra Technologies Corporation**  
30 Plan Way  
Warwick, RI 02886 U.S.A.  
Telephone +1401.739.5800 / 800.556.7266  
Facsimile +1.401.732.7808  
www.zebra.com

5/23/2002

LETTER OF AGENCY

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To Whom It May Concern:

I hereby authorize, until further notice, PCTest Engineering Laboratories, Inc., of 6660-B Dobbin Road, Columbia, MD 21045, to act on our behalf in dealings before Industry Canada with respect to all matters relating to equipment authorizations for the Zebra Encore 3N portable printer with Symbol LA-3021-100M-US 802.11 frequency hopping spread spectrum transmitters under Industry Canada Standard RSS-210.

PCTest Engineering Laboratories, Inc. will assign a file number to the Application for Certification and remit the fees for application review. This appointment is in force until notification to the contrary.

Equipment: Encore 3N printer with Symbol Technologies LA-3021-100M-US PCMCIA 2.4 GHz 802.11 frequency hopping spread spectrum radio transceiver.  
The IC number will be: 1549 102 1685A.

Dated this 23<sup>rd</sup> day of May, 2002.

Certified by: Steven F. Petteruti  
Steven F. Petteruti  
V.P., Engineering  
Zebra Technologies Corporation  
401-739-5800



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5/22/2002

Office of Engineering and Technology Laboratory  
Federal Communications Commission  
7435 Oakland Mills Rd  
Columbia, MD 21046-1609

Dear Sir/Madam,

In reference to the application for a Class II Permissive Change under FCC ID: H9PLA3021-100, measurement of the antenna gain was performed here at Zebra Technologies as described below. This antenna is Zebra part number CQ15469-2 and the results are as follows:

- 1) Maximum gain = 4.9 dBi
- 2) Minimum gain = -19.0 dBi
- 3) Average gain = -4.32 dBi

The gain of the CQ15469-2 antenna was measured by comparing field strength readings against a calibrated source antenna at a 3-meter separation using a mid-band frequency (2440 MHz).

Source antenna: AH Systems Model SAS-200/511  
Receiver antenna: AH Systems Model SAS-200/510  
Spectrum analyzer: HP Model 8593E

Sincerely,

Robert D. Heon  
Project Manager, New Product Development  
Zebra Technologies Corporation

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5/23/2002

Office of Engineering and Technology Laboratory  
Federal Communications Commission  
7435 Oakland Mills Rd  
Columbia, MD 21046-1609

Dear Sir/Madam,

In reference to the application for a Class II Permissive Change under FCC ID: H9PLA3021-100, we hereby request that the following materials submitted with the application be permanently withheld from public disclosure:

- 1) All schematics
- 2) The block diagram
- 3) The detailed technical description of the printer

Sincerely,

A handwritten signature in black ink, appearing to read "Steven F. Petteruti".

Steven F. Petteruti  
V.P., Engineering  
Zebra Technologies Corporation



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5/23/2002

**LETTER OF AGENCY**

I hereby authorize, until further notice, PCTest Engineering Laboratory, Inc. of 6660-B Dobbin Road, Columbia, MD 21045, to act on our behalf in dealings before the Federal Communications Commission with respect to all matters relating to equipment authorizations for the Zebra Encore 3N portable printer with Symbol Technologies LA-3021-100M-US 802.11 frequency hopping spread spectrum transmitter (Class II Permissive Change to FCC ID# H9PLA3021-100) under Part 15 of 47 CFR.

I further certify that no party (as defined in Paragraph 1.2002(b) of CFR47, 1992) to this application, including myself, is subject to a denial of federal benefits, that includes FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U. S. C., , 853(a).

Certified by:

Steven F. Petteruti

V.P., Engineering

Zebra Technologies Corporation