

**LETTER OF ASSURANCE FOR ESSENTIAL PATENTS**

Please return via mail,  
e-mail (.pdf), or FAX to:

Secretary, IEEE-SA Standards Board Patent Committee  
Institute of Electrical and Electronics Engineers, Inc.  
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Piscataway, NJ 08854 USA  
FAX (+1 732-875-0524) e-mail: patcom@ieee.org

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**A. PATENT HOLDER/ORGANIZATION:**

Legal Name of Organization: Pulse-LINK, Inc.

**B. PATENT HOLDER'S CONTACT FOR LICENSE APPLICATION:**

Name & Department: Peter R. Martinez, IP Counsel  
Address: 1969 Kellogg Avenue, Carlsbad, CA 92008  
Telephone: 760-607-0844 Fax: 760-607-0861 E-mail: \_\_\_\_\_  
URL: www.pulselink.net

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**C. IEEE STANDARD or PROPOSED IEEE STANDARD:**

Number: 802.15.4A  
Title: Low Data Rate WPAN

**D. PATENT HOLDER'S POSITION REGARDING LICENSING ESSENTIAL PATENT RIGHTS:**

In accordance with Clause 6 of the *IEEE-SA Standards Board Bylaws*, the Patent Holder hereby declares that its licensing position with respect to any patent(s) and/or patent application(s) that it may hold or control, the use of which would be essential to create a compliant implementation of either mandatory or optional portions of the [Proposed] IEEE Standard identified above, is as follows (**check one box only**):

- 1. The Patent Holder will grant a license without compensation to an unrestricted number of applicants on a worldwide, non-discriminatory basis with reasonable terms and conditions to comply with the [Proposed] IEEE Standard.
- 2. The Patent Holder will grant a license under reasonable rates to an unrestricted number of applicants on a worldwide, non-discriminatory basis with reasonable terms and conditions to comply with the [Proposed] IEEE Standard.
- 3. The Patent Holder is unwilling to grant licenses according to the provisions of either 1 or 2 above.
- 4. The Patent Holder states that, without conditions, it will not enforce any of its present or future patent(s) against any person or entity creating a compliant implementation of the [Proposed] IEEE Standard.
- 5. I am not aware of any patent(s) and/or patent application(s) that my company may hold or control that would be essential to create a compliant implementation of the [Proposed] IEEE Standard.

**[Note: Completion of the following section is optional. Nothing in this Letter of Assurance shall be interpreted as giving rise to a duty to conduct a patent search.]**

If the Patent Holder owns or controls patent(s) and/or application(s) that it believes may be essential to create a compliant implementation of the [Proposed] IEEE Standard, please specify the following:

Patent/Application Number: \_\_\_\_\_  
Title: \_\_\_\_\_

Patent/Application Number: \_\_\_\_\_  
Title: \_\_\_\_\_

Patent/Application Number: \_\_\_\_\_  
Title: \_\_\_\_\_

*Use additional pages, as necessary.*

**E. SIGNATURE:**

Print name of authorized person: John Santhoff

Title of authorized person: Chief Technical Officer

Signature of authorized person:  Date: 23 Oct. 2006

*Note: This assurance applies from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable upon acceptance by the IEEE-SA Standards Board Patent Committee.*

*The IEEE Patent Policy and the procedures used to execute that policy are documented in the IEEE-SA Standards Board Bylaws and the IEEE-SA Standards Board Operations Manual, available at <http://standards.ieee.org/resources/index.html#guides>. These documents must be read and understood before completing and submitting this form.*