



16 October 2007

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

To Whom It May Concern:

We the undersigned, seek FCC and IC approval of a Class II Permissive Change for our Speedway RFID Reader, Impinj model number IPJ-R1000. This application was the subject an email correspondence between Dr. Rashmi Doshi, Chief of the FCC Laboratory Division, and our counsel, Mitchell Lazarus, in June and July of 2007.

The primary reason for the Class II change is the implementation of a revised frequency hopping scheme designed to reduce interference with existing DSSS systems which may occupy a fixed subband of 902-928 MHz. Also included under this Class II filing is modification of the transmit data (highest data rate mode only) that increases the occupied bandwidth. These changes are accomplished solely via firmware changes to the reader and affect only the hopping sequence and data rate. There are no changes to the reader hardware or housing and the reader will operate at the previously approved power and EIRP.

Details of the firmware changes are summarized in the word document entitled *IPJ-R1000_classII_design_change_sept-2007*.

FCC certification number: TWYIPJR1000
IC certification number: 6324A-IPJR1000

Sincerely,

A handwritten signature in black ink that reads "William Ashley". The signature is written in a cursive, flowing style.

William Ashley
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