



6 April 2009

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

To Whom It May Concern:

The undersigned, Impinj Inc., seeks FCC approval of a Class II Permissive Change for our Speedway UHF RFID Reader, Impinj model number IPJ-R1000. The reason for the Class II change is the addition of new antenna type, Guardwall IPJ-A0402-USA. The reader operation, block diagram, schematics, label, equipment name, and photographs are unchanged. However, the nature of this change necessitates the need for RF testing to verify that the reader remains regulatory compliant.

Previously Impinj, Inc. applied and filed a Class II Permissive Change on 12-Mar-2007 for an earlier version of this antenna, Guardwall IPJ-A0401-USA. The new version of this antenna, Guardwall IPJ-A0402-USA has a change to the radiating element and is the subject of this filing.

Further, in regard to Report Number FC06-010J filed with this Class II Change. To clarify the changes made to the Impinj Guardwall Circular Polarized Antenna (IPJ-A0402-USA) since the data was measured. The radiating element is unchanged. The change does not affect the RF power output or radiation pattern. The change is as follows:

1. The removal of two (2) integrated 79" RG58 cables with Male RP-TNC connectors
2. The addition of two (2) bulkhead SNA jacks on the antenna
3. The addition of two (2) detached 79" RG58 cables with Male RP-TNC to Male SMA connectors

In summary, the following antenna has been tested and added to the Speedway RFID Reader User Manual.

IPJ-A0402-USA Guardwall Antenna

The reader FCC certification number is: TWYIPJR1000

Sincerely,

A handwritten signature in black ink that reads "W. Ashley".

William Ashley
Vice President, Reader Engineering
Impinj, Inc.

Impinj, Inc.
701 N. 34th Street,
Suite 300
Seattle, WA 98103

Tel (206) 517-5300
Fax (206) 517-5262

www.impinj.com