



31<sup>th</sup> Jan 2013

*To whomsoever it may concern*

## Product Application

This document explains the nature of intended application of the product mentioned below.

**Product name:** ATMEGA256RFR2 Xplained Pro

**Product Model:** ATMEGA256RFR2-XPRO

**FCC ID:** VW4A091784

### ***Product Application:***

The ATMEGA256RFR2-XPRO is a reference design for the Atmel ATmega256RFR2 single-chip microcontroller and radio transceiver. The IC integrates a powerful, 8-bit AVR® RISC microcontroller, an IEEE 802.15.4-compliant transceiver, and additional peripheral features. The built-in radio transceiver supports the worldwide accessible 2.4GHz ISM band.

The system is designed to demonstrate standard-based applications such as ZigBee/IEEE 802.15.4, ZigBee RF4CE, and 6LoWPAN, as well as high data rate ISM applications.

The SMA antenna connector allows either operation with the antenna provided with the RCB or conducting RF performance measurements.

Sincerely,

Saravanakumar Marudhachalam  
Manager, Tools HW Development,  
Atmel Norway AS