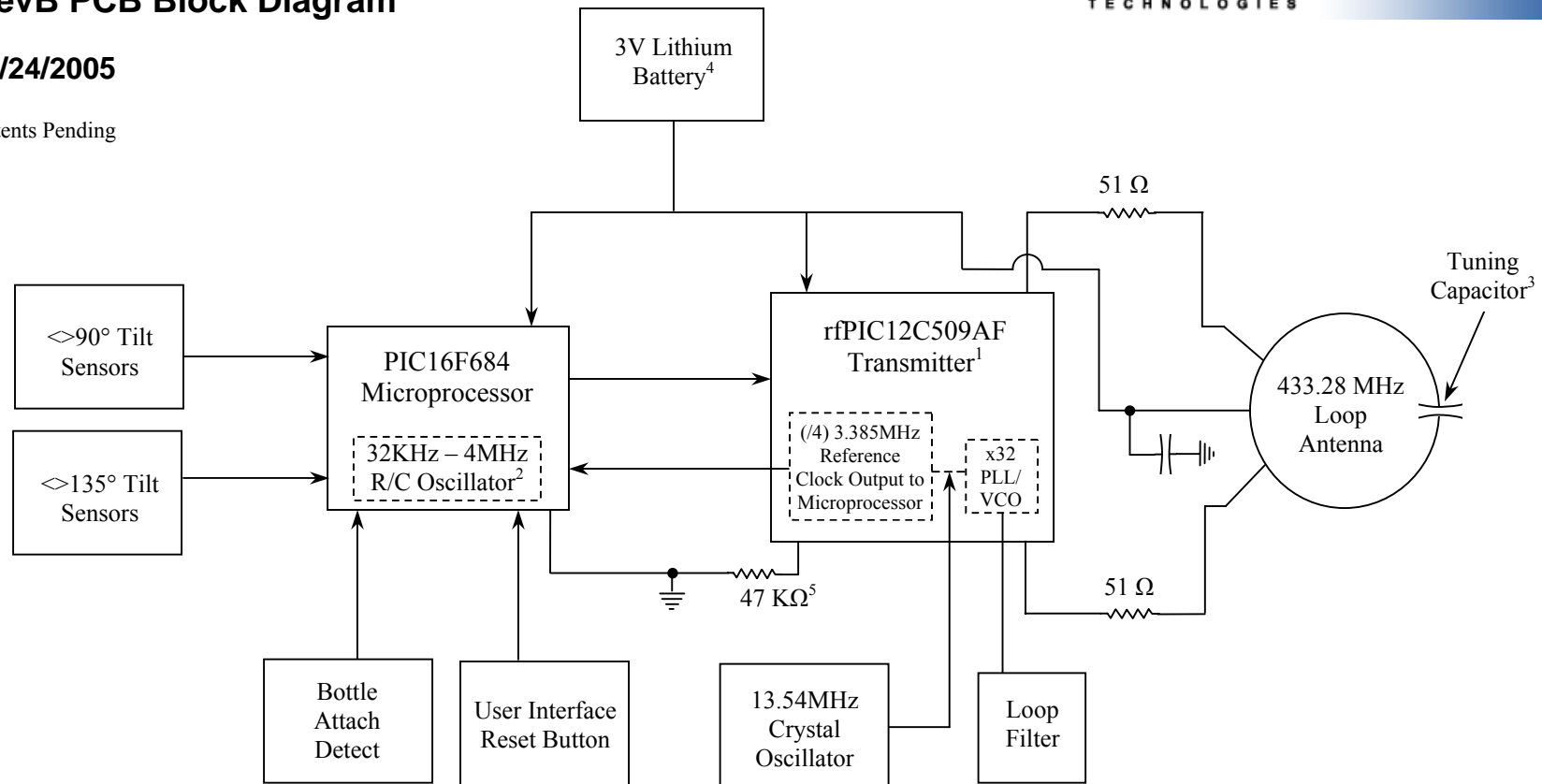


# 433.28 MHz Transmitter BarVision™ Electronic Pour Spout RevB PCB Block Diagram

10/24/2005

Patents Pending



<sup>1</sup> This is an rfPIC509 Microprocessor/Radio Transmitter. It is a hybrid part composed of a Melexis TH7107 transmitter and a PIC12C509 microprocessor, however the microprocessor portion is unused for this Equipment Under Test (EUT).

<sup>2</sup> Software adjustable

<sup>3</sup> The antenna tuning capacitor is a 0.220in. average-diameter plate capacitor formed onto ~0.031in. FR4 that is tuned by drilling an appropriate (0.025-0.125in.) diameter hole through the center during production. Patent Pending.

<sup>4</sup> Useful operation from 3.2V to 2.2V.

<sup>5</sup> Power adjust resistor.