Fix for STK600 32 kHz Oscillator

Some STK®600 manufactured before July 10’th 2008 has a 32 kHz oscillator running on to high frequency. STK600’s manufactured July 10’th or later does not have this problem.

The manufacturing date for the board can be found on the sticker on the bottom side of the board.

Figure 1-1. STK600 overview.
The oscillator can be fixed easily by replacing the circled capacitor, with a 220pF ceramic capacitor (0603 size), see Figure 1-2. It is also possible to leave the existing capacitor mounted and just solder a new 220pF capacitor on top, either 0603 size SMT or other ceramic type that you can make fit.

Figure 1-3. Replace the following capacitor.
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