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MC33493MODxxx Kit

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1 Overview

This document provides introductory information for using MC33493 tools with HyperTerminal software. Windows software is also available to ease use. Please refer to related documentation for more information.

MC33493MODxxx operation requires:

- An MC33493MODxxx RF module with attached printed antenna
- A DEMO9S08RG60E MCU board
- An RS232 cable
- A PC with a RS232 port, CD player, and HyperTerminal.
- A 9 V battery

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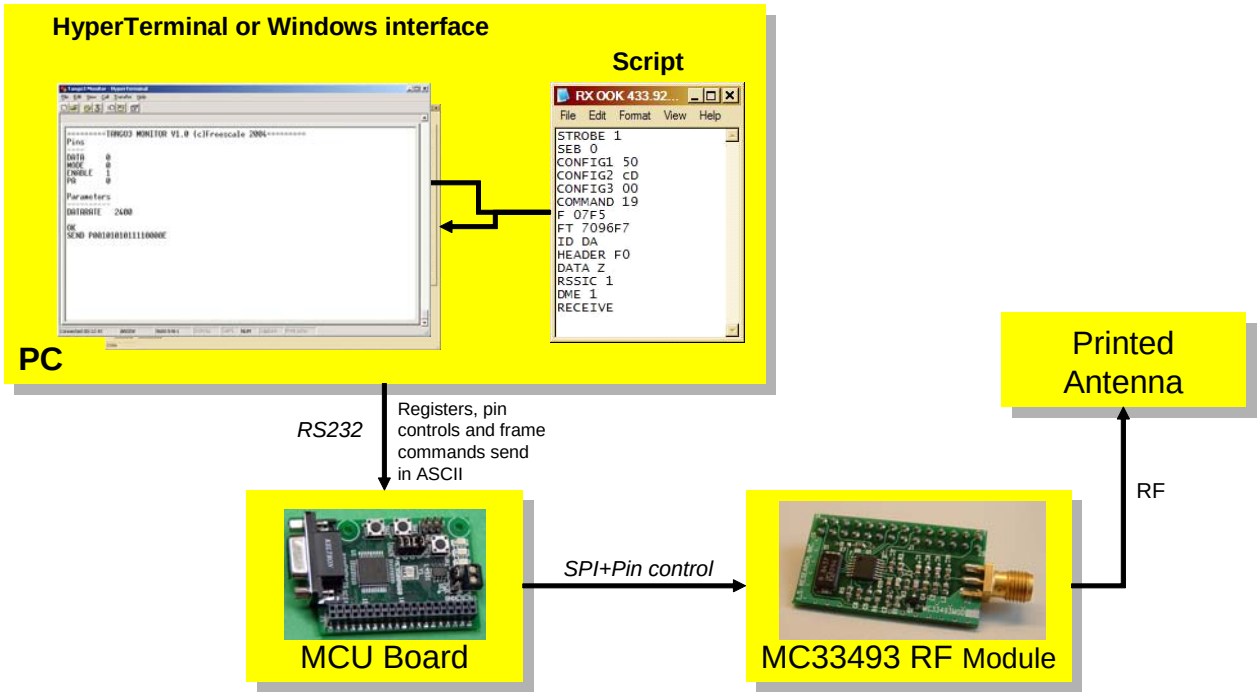

Figure 1. MC33493MODxxx Kit

The operation of MC33493 is done by sending a script via HyperTerminal to the MCU board that configures MC33493.

Available script files include:

- Standby configuration
- Continuous CW transmission
- Continuous 4.8 kHz OOK transmission
- Continuous 4.8 kHz FSK transmission

2 Launching the Kit

Perform these steps to launch the kit:

1. Plug the RF module on the MCU board.
2. Connect the MCU board to the PC using the RS232 cable.
3. Launch HyperTerminal using the proper xxx.ht file according to available COM port.
4. Connect the 9 V battery.

When this is complete, the screen on HyperTerminal indicates that it has received the status of MC33493 pin levels (Figure 2).

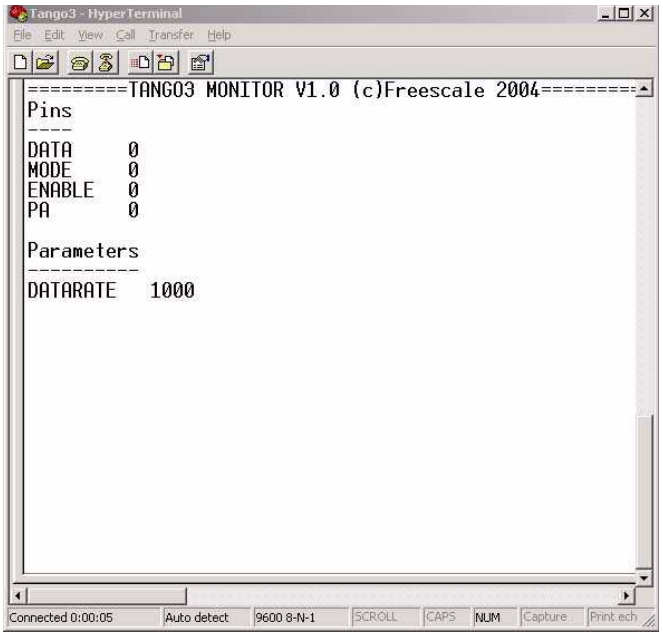

Figure 2. MC33493 Pin-Level Display

3 Sending a Script File

To configure the kit in transmit mode, perform these steps:

1. With the mouse, click Transfer/Send text file.
2. Select the xxx.txt script file corresponding to the desired configuration. For example: Selecting TX OOK 433.92 MHz square 4800 bps.txt configures the kit in transmit mode at 433.92 MHz to send a modulated signal at 4800 bps.
3. “Sending square wave” indicates the kit is sending a continuous modulation.

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