

Send E2E reply back to
customer Gaurav

Texas Instruments MHR

Due to AFE5801 Data Sheet changed

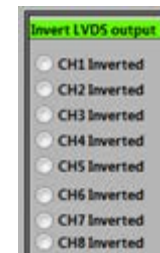
- The AFE5801 GUI also needs to follow the changes from Data Sheet:

REVISION HISTORY

Changes from Revision C (January 2010) to Revision D

- Deleted INVERT_CHANNEL and MSB_FIRST rows from register map table
 - Deleted INVERT_CHANNEL register description
 - Deleted MSB_FIRSTL register description
-

- Do not use INVERT_CHANNEL buttons:
- Only “LSB First” can be used:

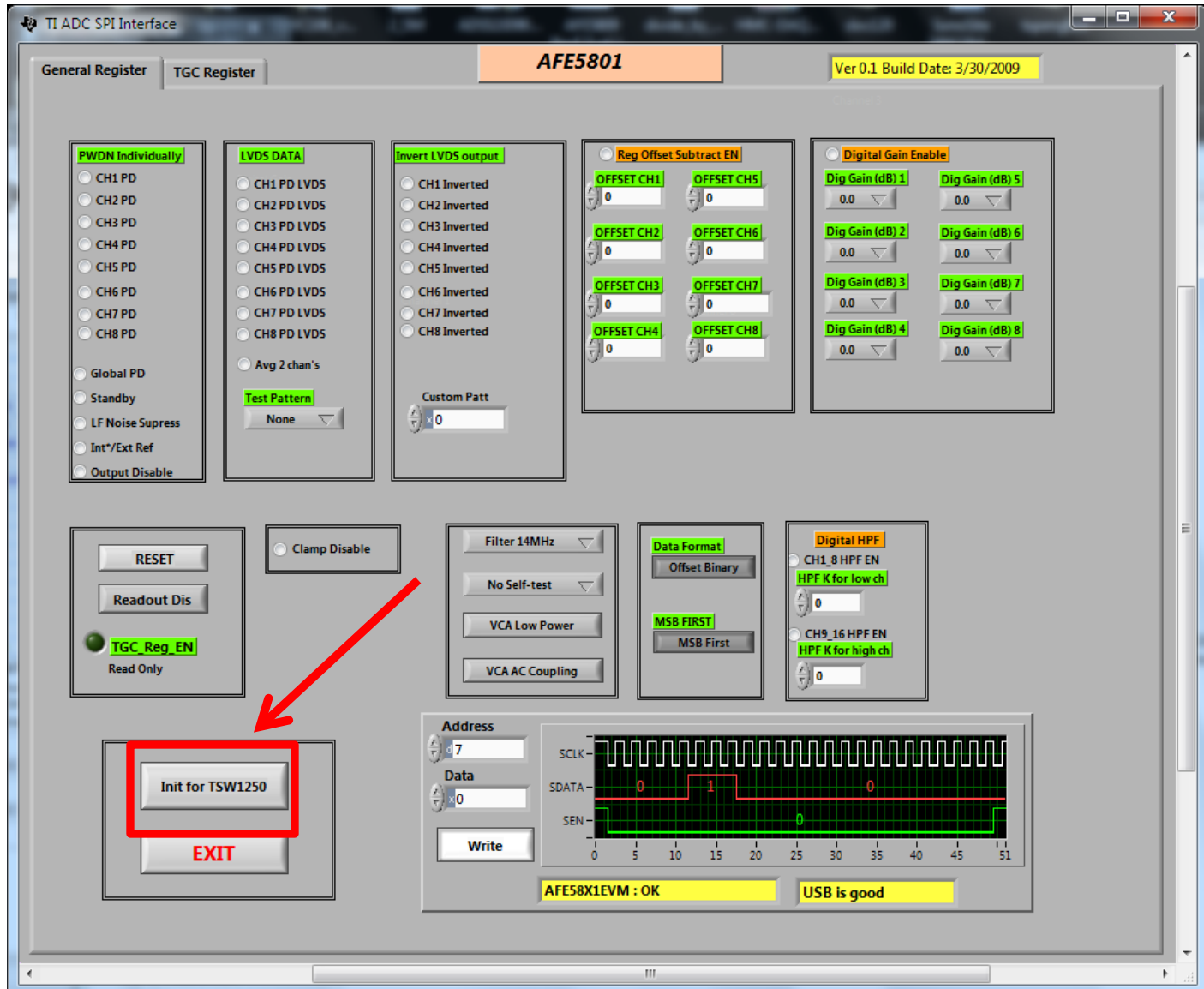


AFE5801 with TSW1400 EVM

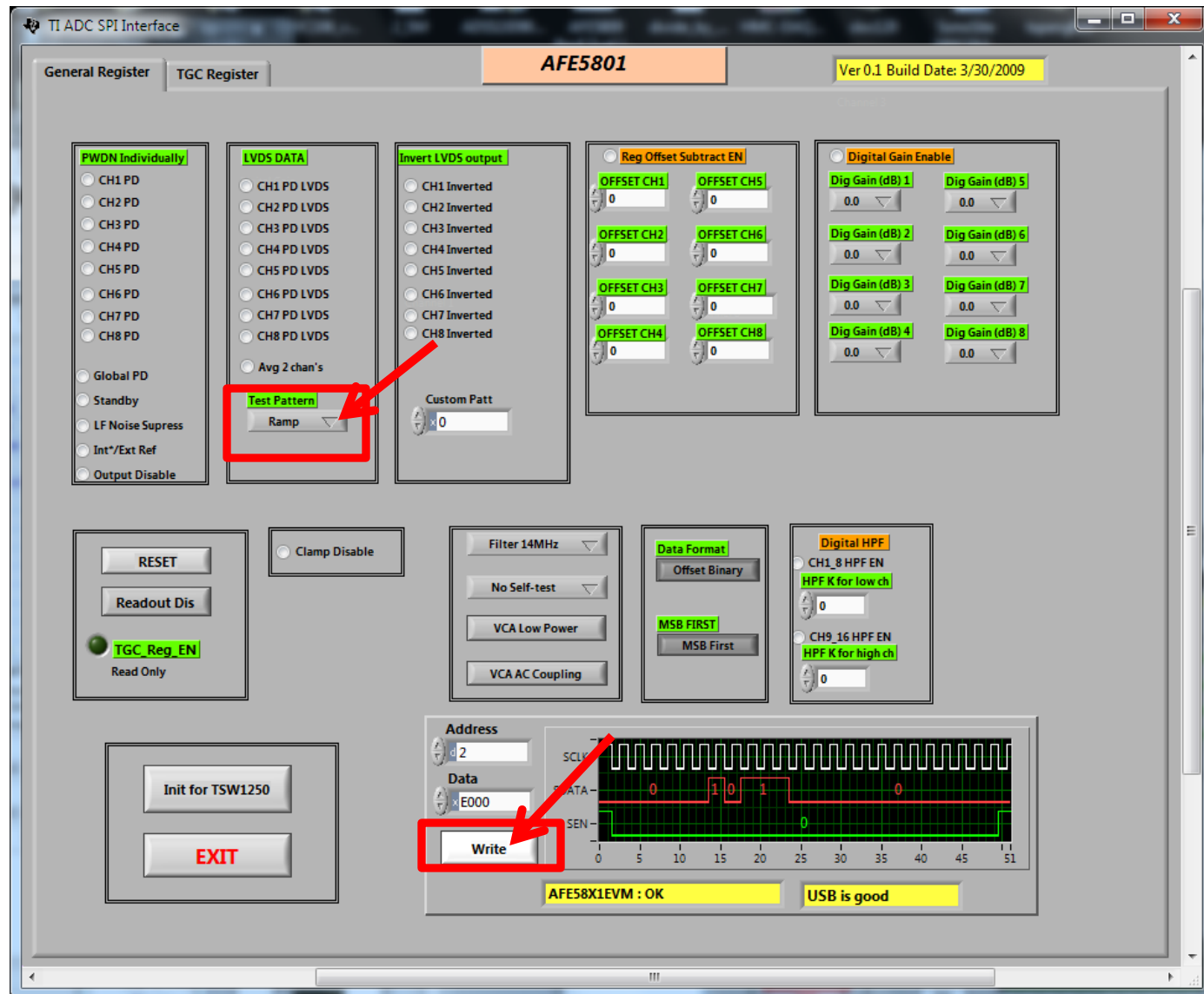
Customer EVM setup

- Using on-board (internal) 40MHz OSC Clock.
- Clicking on “Init for TSW1250” button to start AFE5801GUI is ok.
- GUI “Test Pattern_Mode” is set = “Ramp” and then also need to click on “Write” button.
- Please look the following step 1 to step 8.

- 1) Run AFE5801 GUI
- 2) Click on “Init for TSW1250” button

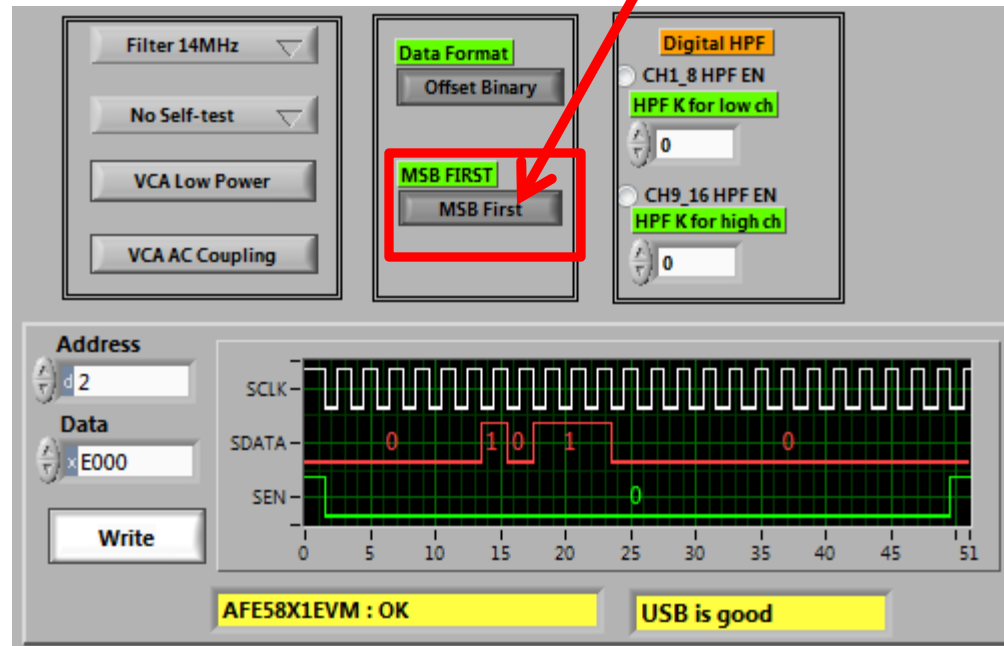


- 3) Set “Test Pattern” to be “Ramp”
- 4) Then click on “Write” button



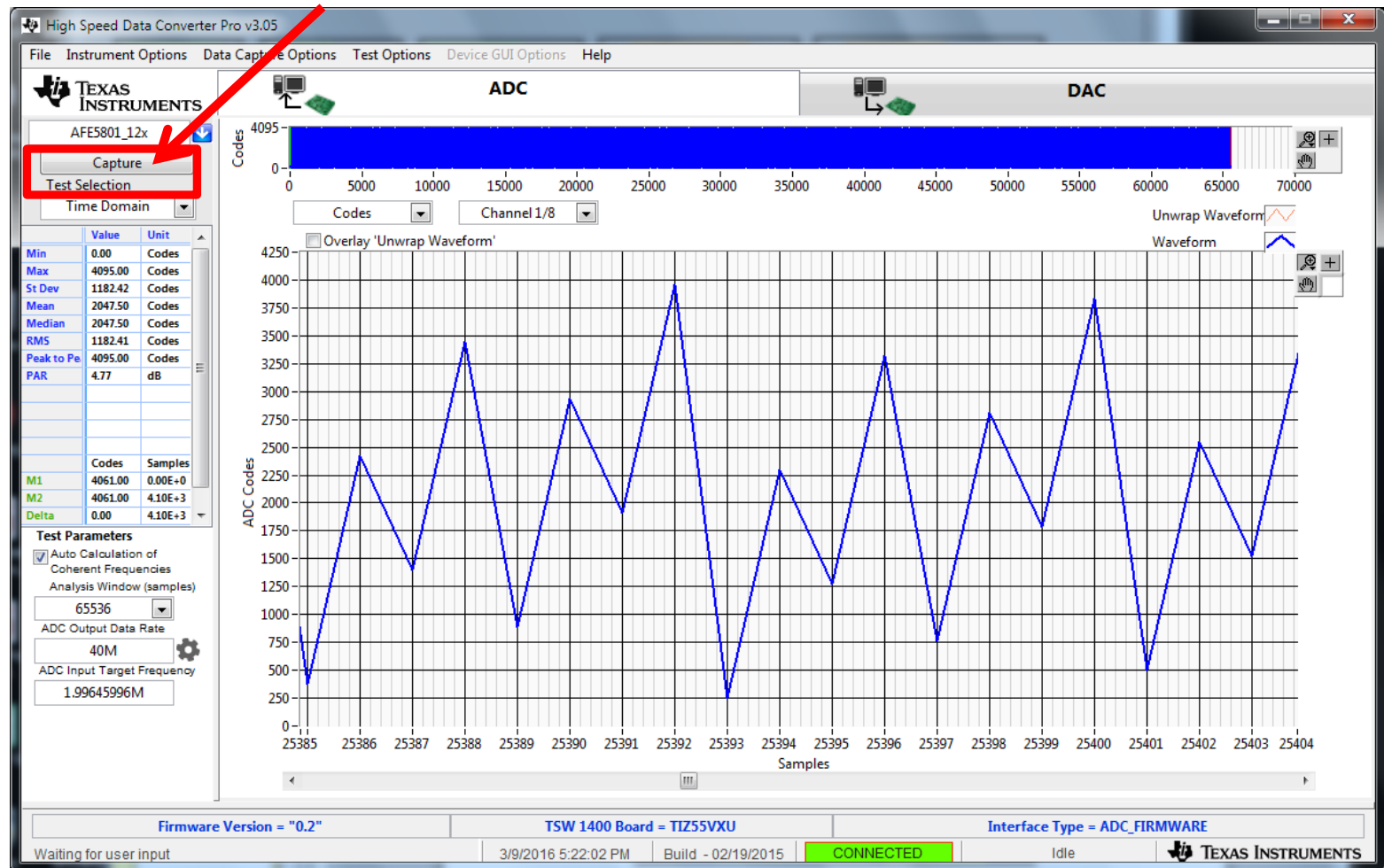
5) Input (enabled) Ramp Pattern

In this case: "MSB_FIRST" is set to '1' (=High)
Please check if you see the same thing?



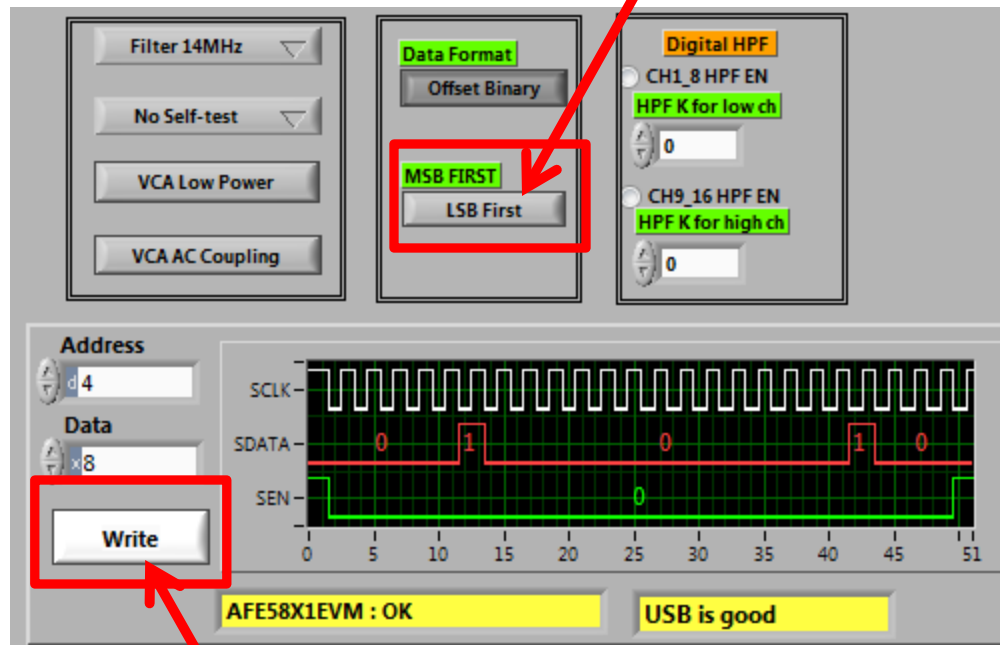
6) Input (enabled) Ramp Pattern

If you see the same,
Please click "Capture" button, you may see the similar plot



7) Input (enabled) Ramp Pattern

To make "MSB_FIRST" to be '0' (=Low)
Please click "MSB_FIRST" button.
It becomes "LSB First" (=Low).



Then please click "Write" button.

8) Input (enabled) Ramp Pattern

Then please click "Capture", you may see the correct plot like:

