

Measurement setup using Lecroy test equipment, SDA 820ZI or equivalent) Using ZX20xL HDMI test board without requiring any external filters, TF-HDMI-3.3V

Revision History

Version	Date	Description
v01	Aug, 8, 2012	Initial release –

The subsequent folders contain data for full measurement setup with data for Lecroy Scope (Lecroy **SDA 820ZI** or equivalent).
The setup procedure provides complete snapshot of all settings and the actual waveform measured using Lecroy scope.

Brief description on how to conduct the measurements:

1. Hook up the HDMI source to the **Zebax** breakout board module
2. Apply the external Power source : **4.95 Volts** to **VX** terminal of Zebax Module
- 3.Channel 1+2 = data line, channel 3+4 clock signals
4. Invoke serial data analyst package

Signal = ch1+ch2 (First build a differentials function of Ch1-CH2 and feed it into the data line but that is not necessary)

Clock = ch3+ch4 (same as with the dataline, build a differential function but it is not needed)

5. Once enabled the eye, the eye diagram shall appear.
 - 5b. If the eye diagram does not appear, Verify clock speed for the clock reference. It helps sometimes if you enable continuously clock measurements.
 - 5.c If eye mask is required : Select the right protocol and enable the mask option.

Hint : if the eye diagram suddenly disappears or gets corrupted please check proper selection of the HDMI protocol in the SW menu.

Setup configuration files are compressed, please download, save in your local drive followed by use of *.7z to extract, files are located here:

<http://www.zebax.com/doc/ZXTN/HDMI/ZXTN-Lecroy-ZX20xL-Setup-HDMI.7z>

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