

PISMASHER TESTING INSTRUCTIONS

1 Summary

Subsystem testing instructions for HDMI transmit, HDMI receive, audio codec, USB and Ethernet.

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2 HDMI Transmit/Receive

2.1 Pass Through Configuration (loop-through)

Configure the HDMI transceivers. This will enable the pixel clock on the HDMI receiver which is used to drive the HDMI transmitter.

```
# hdmi-config/hdmi-config -m 1080p
```

Configure the test pattern generator to use the video input stream from the HDMI receiver to output to the HDMI transmitter.

```
# vid-tpg-config/vid-tpg-config -w 1920 -h 1080 -b 0 12
```

Configure the video timing controller for the desired video format.

```
# uio-vtc/uio-vtc -g -m 1080p 13
```

3 Audio Codec

Configure the input and output paths for the audio codec.

```
# audio-config/audio-config -i linein -o lineout
```