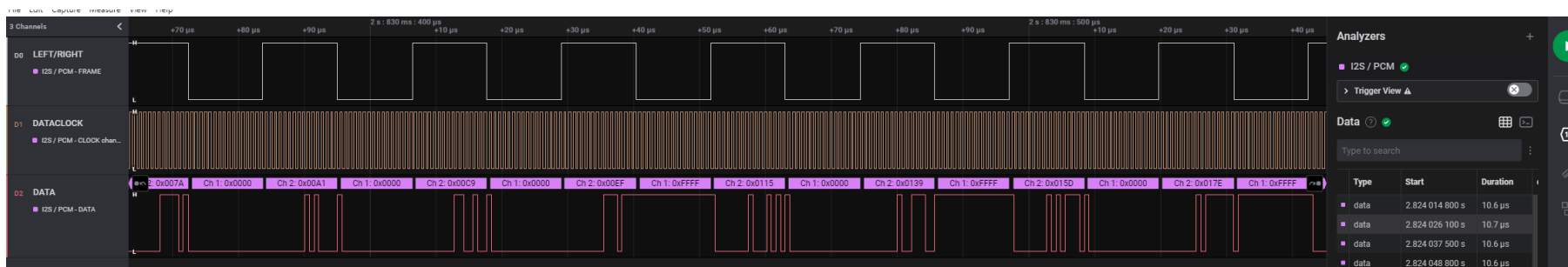


Test setup:

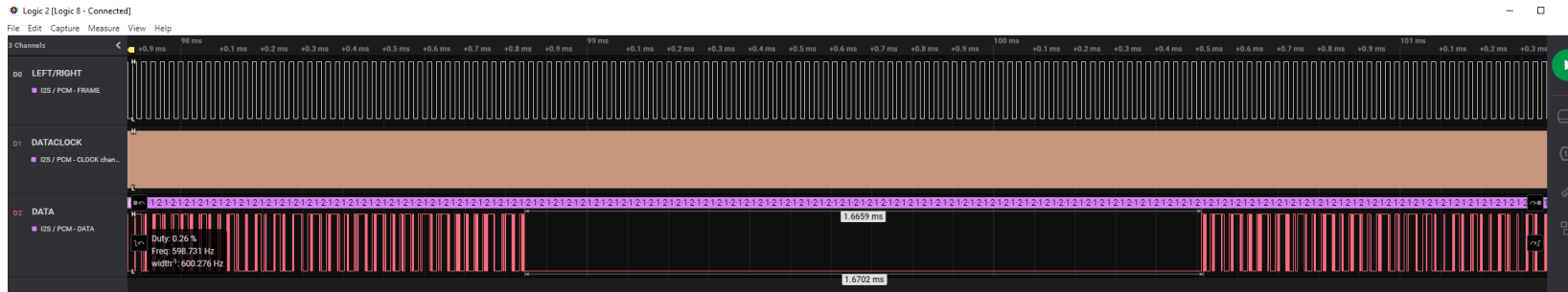
- Arduino MKRZERO into a board with UDA1334a stereo decoder. Example WavePlayback.ino sketch modified to repeat playing file after playback complete.
- Wav file is a 10 second stereo 16 bit 44.1KHz wav with a continuous 440hz tone on a single channel only (Other channel has silence).
- Saleae logic analyser setup to log BLCK, LRC and DIN. Latterly 2 analog channels on logic were assigned to measure analog audio output from decoder.

Observations:

1. Silent channel (in this case CH1) sometimes gets 0xffff rather than 0x000. (Chan1FFFF.png)

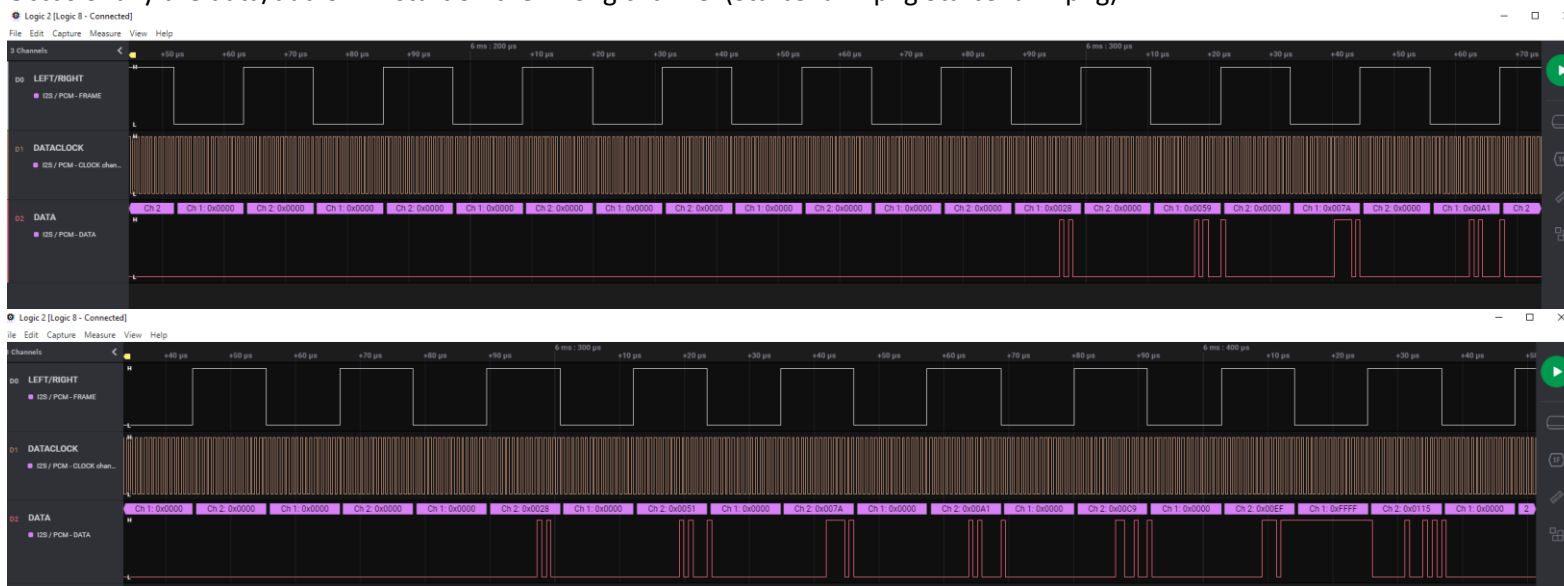


2. Occasional ~1.5ms gaps in data. (Dropout.png)

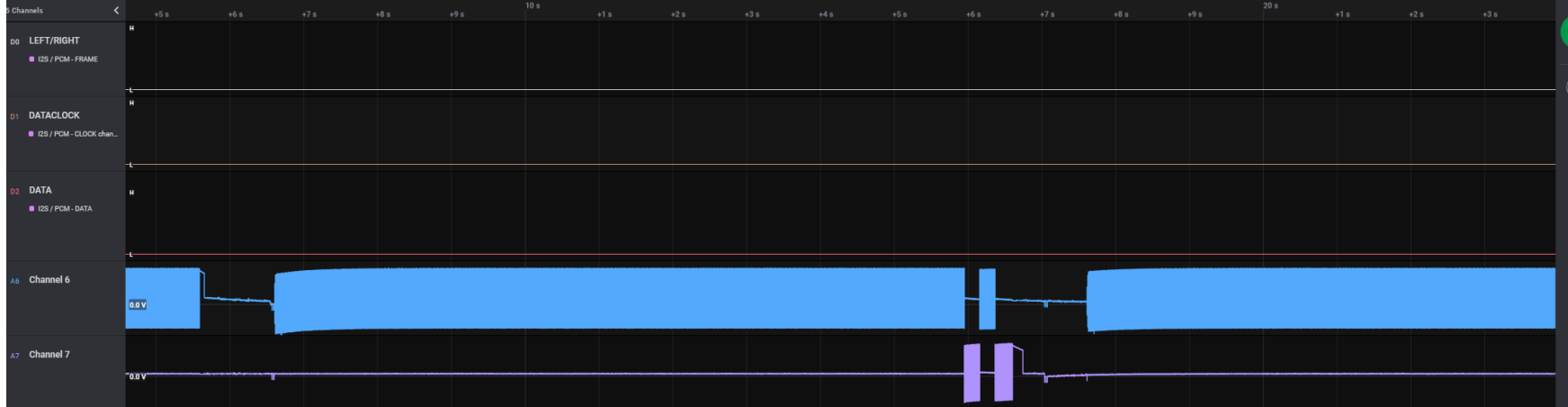


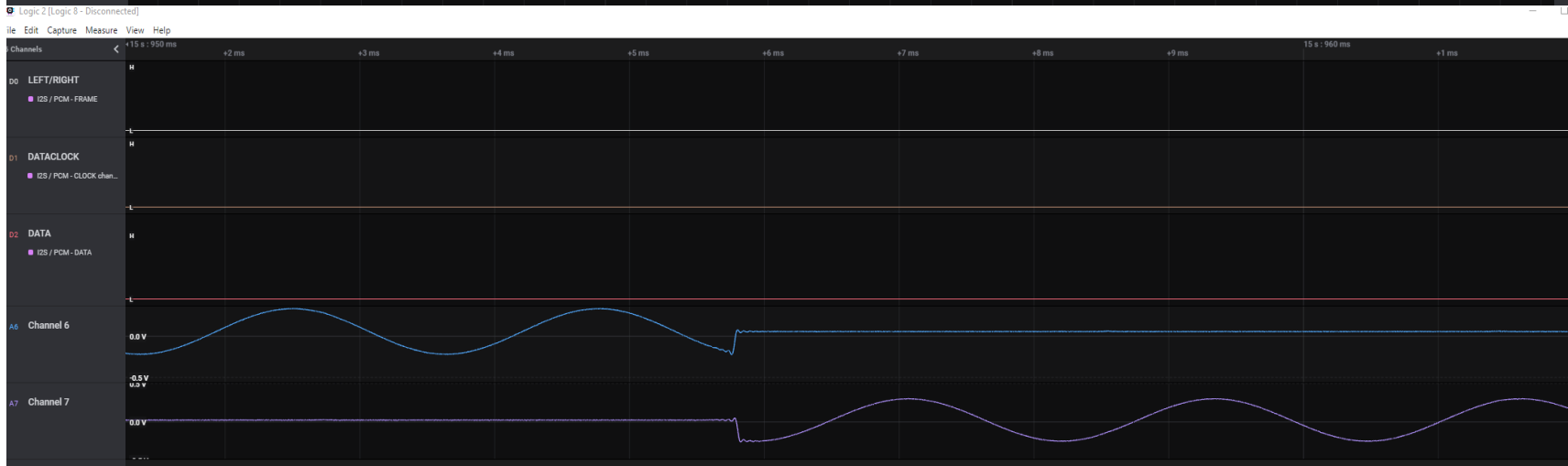
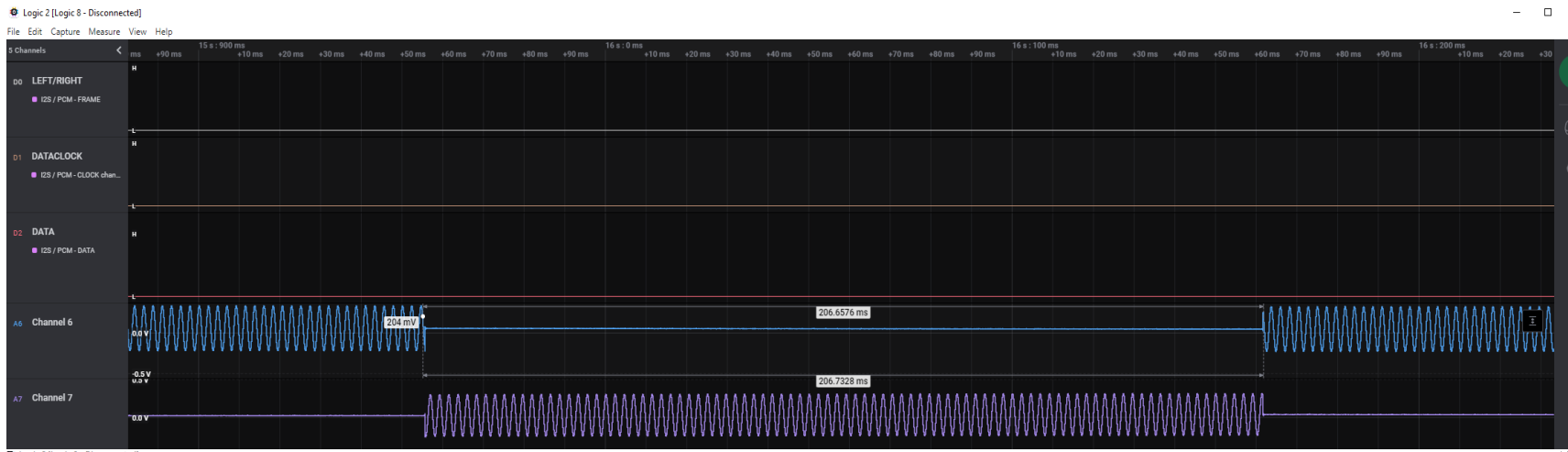
3. Channel Swapping:

a. Occasionally the data/audio will start on the wrong channel (StartChan1.png StartChan2.png):

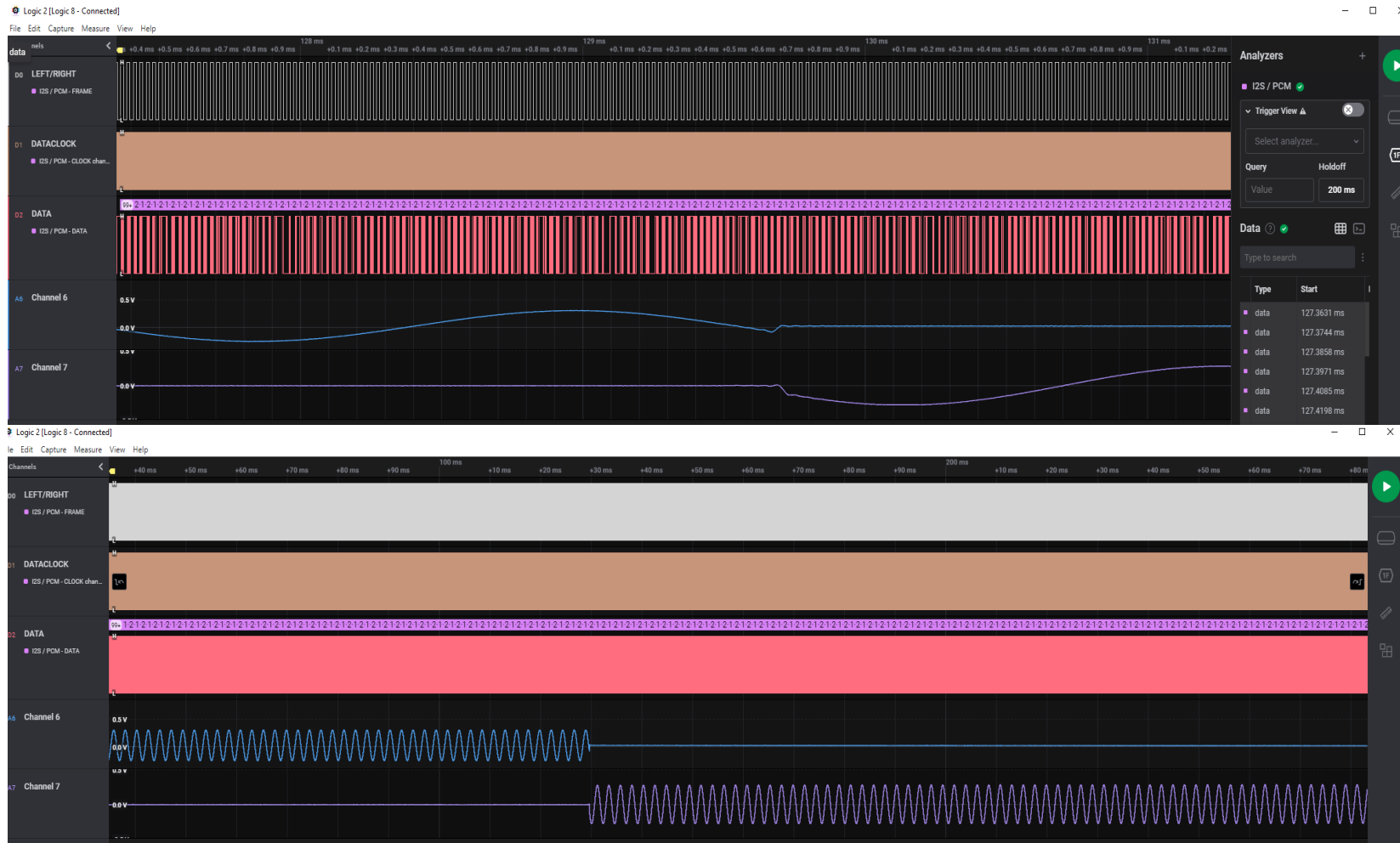


b. Mid playback channels swapping shown first on just analog audio channels (zoomed out and then zoomed in to show detail. AnalogChanHop.png AnalogChanHopDetail.png AnalogChanHopHDetail.png)





Same issue as about but with digital I2S analysers (ChanSwapZoomOut.png ChanSwap.png):



4. Possibly unrelated but noticed a brief glitch in audio (WeeGlitch.png)

