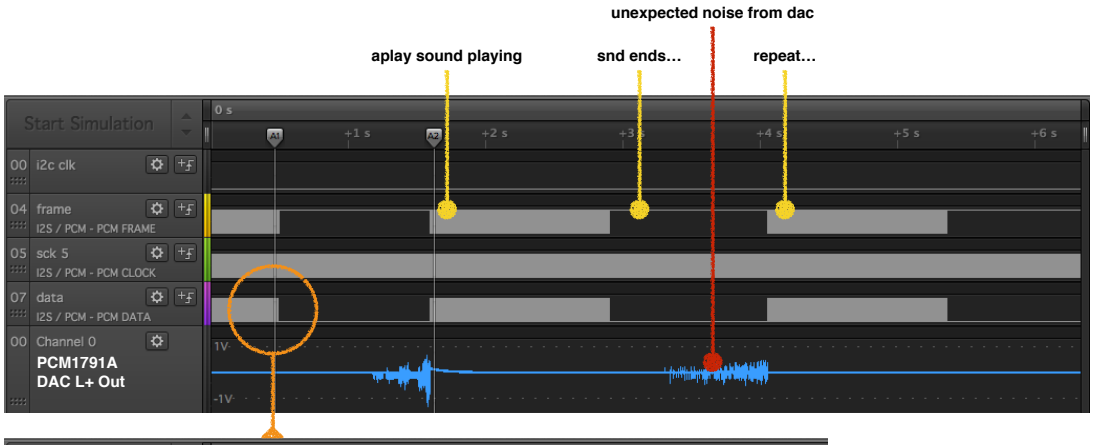
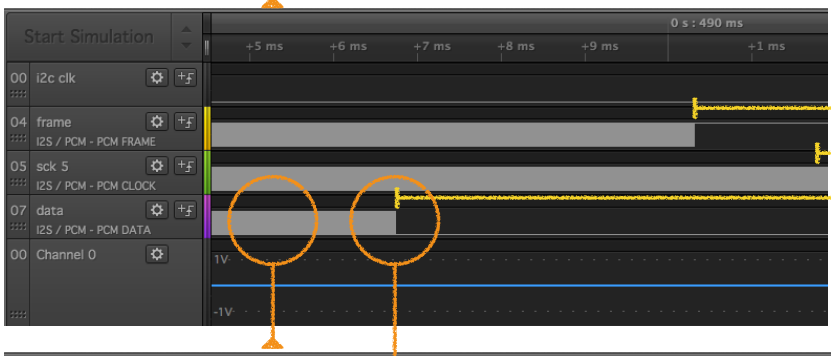


assuming one part in this is a bug in the Sitara / McAsp (I2S) driver…

question though is why the pcm1791 dac outputs this type of noise when both pcm data & frame clock is '0'..!?

see logic analysis sequence below:

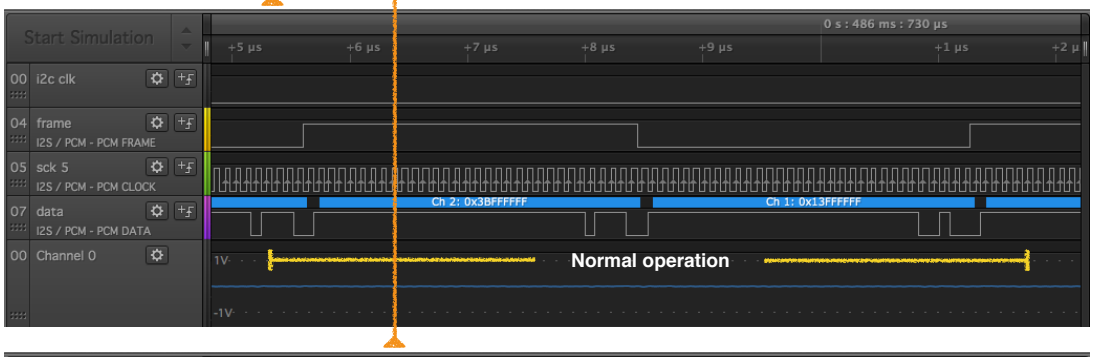
note: this issue happens around 1 in 1000, could be related to cpu-load, 'iw' / temperature.

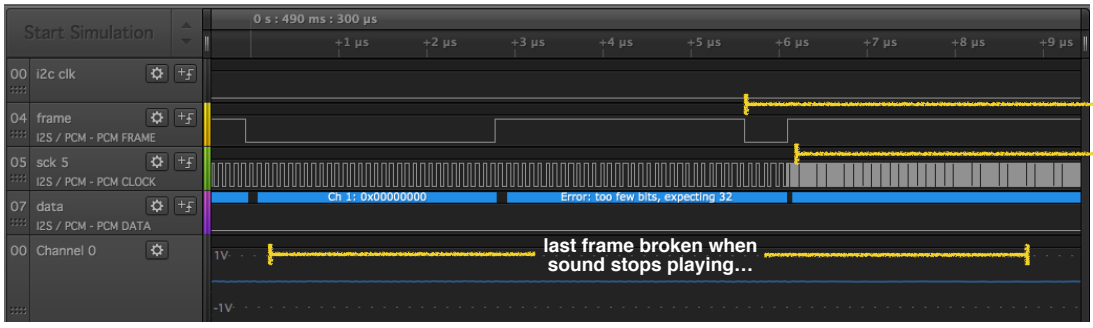


note that the "frame-clock" keeps running for ~4msec before it stops

pcm clock runs forever

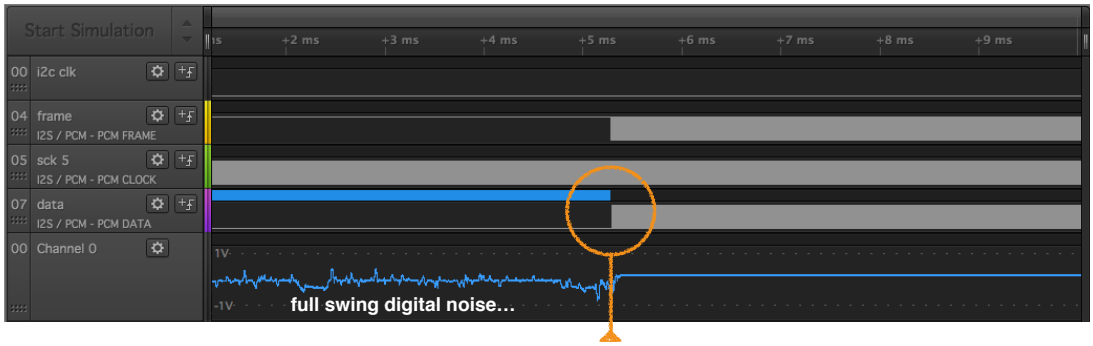
aplay sound ends playing



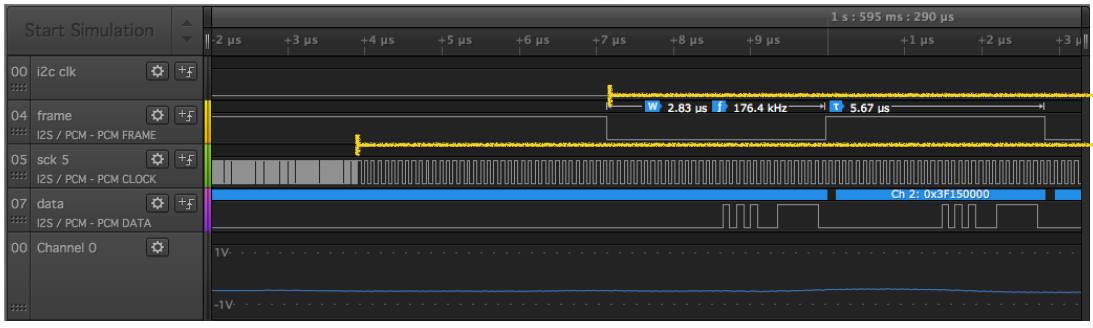


here the frame-clocck changes to an unexpected much shorter intervall

and suddenly the clock changes even though it has a fixed div setting



during the event of this noise being output from the dac, 'digital attenuation' set via i2c does not work.



next aplay starts, so the frame-clock & bit-clock changes back to expected intervals => noise goes away