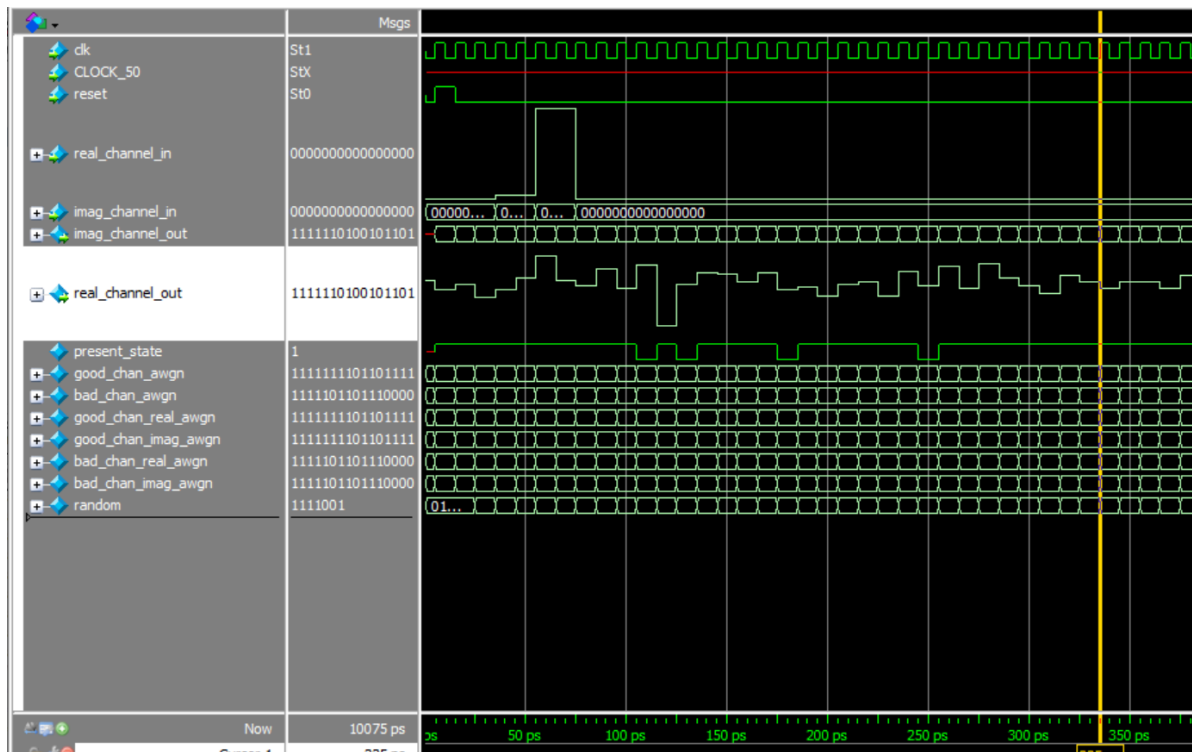
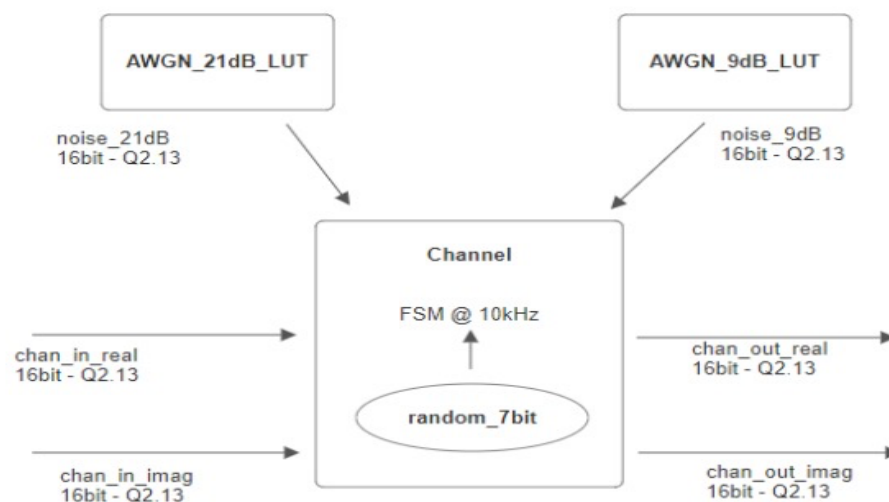


Gilbert - Fading testing (channel_tb2.v)



Used a basic channel input of zero and an arbitrary input pulse to monitor that the output of the channel is the same as the noise being added to it, state machine is switching correctly in expected time intervals, and random numbers being used to calculate the probabilities are being produced randomly. Additionally want to make sure the indexing of the lookup tables is working properly and awgn noise values are changing.



Block Diagram for Gilbert Fading

