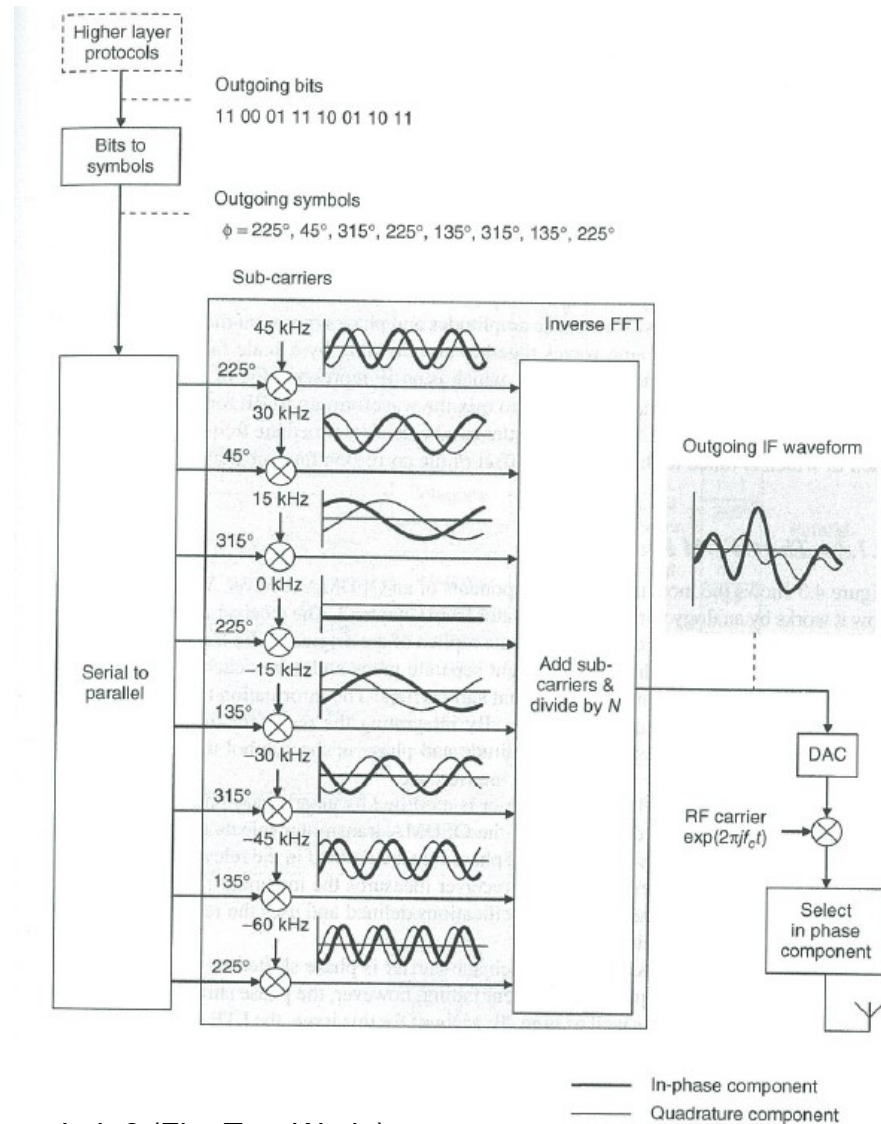


Dig Comm Lab 2

OFDM Transmitter Fig 4.2



OFDM Receiver Fig 4.3

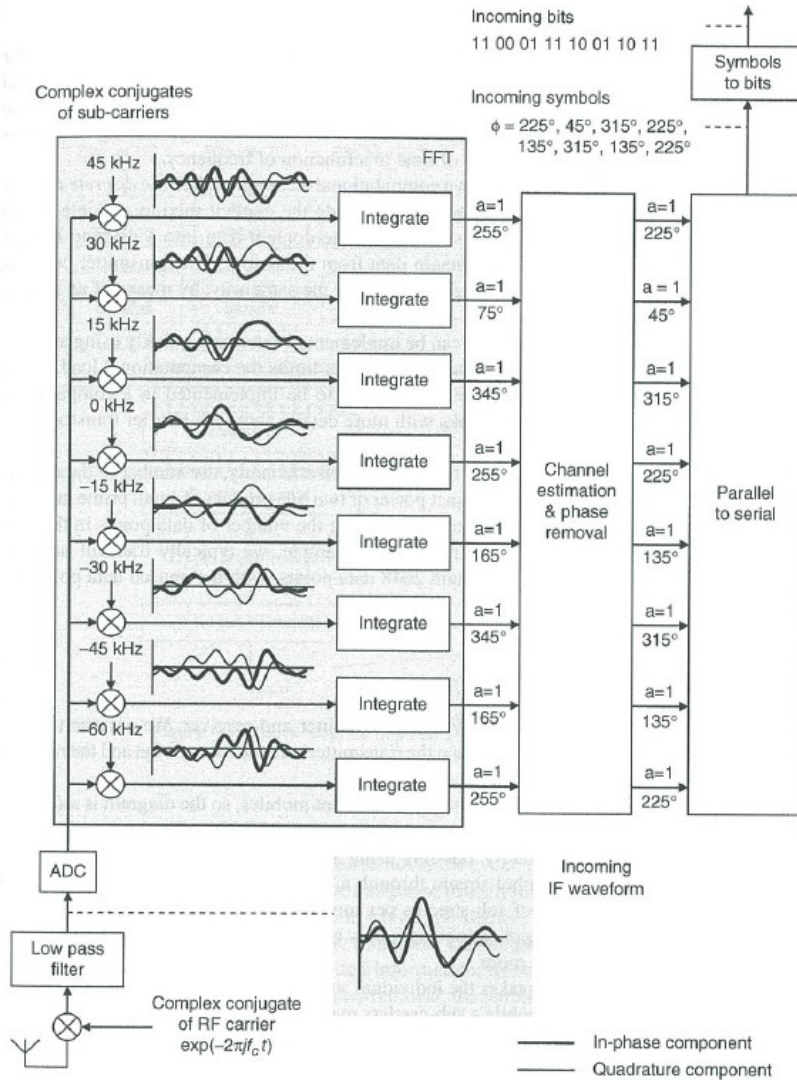


Figure 4.3 Processing steps in an OFDM receiver

Final Report :Text Book OFDM Modeling

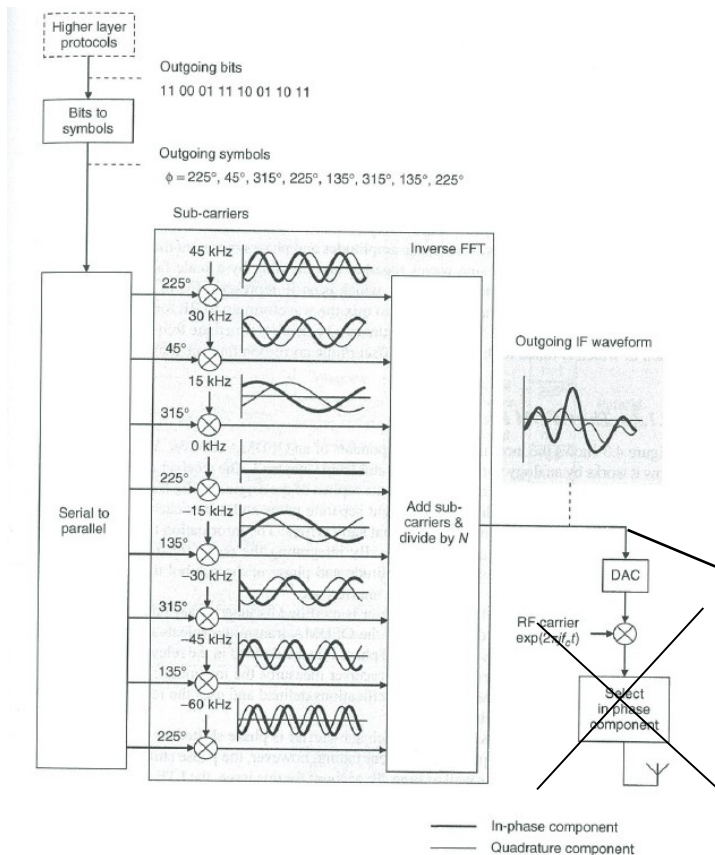


Figure 4.2 Processing steps in an OFDM transmitter

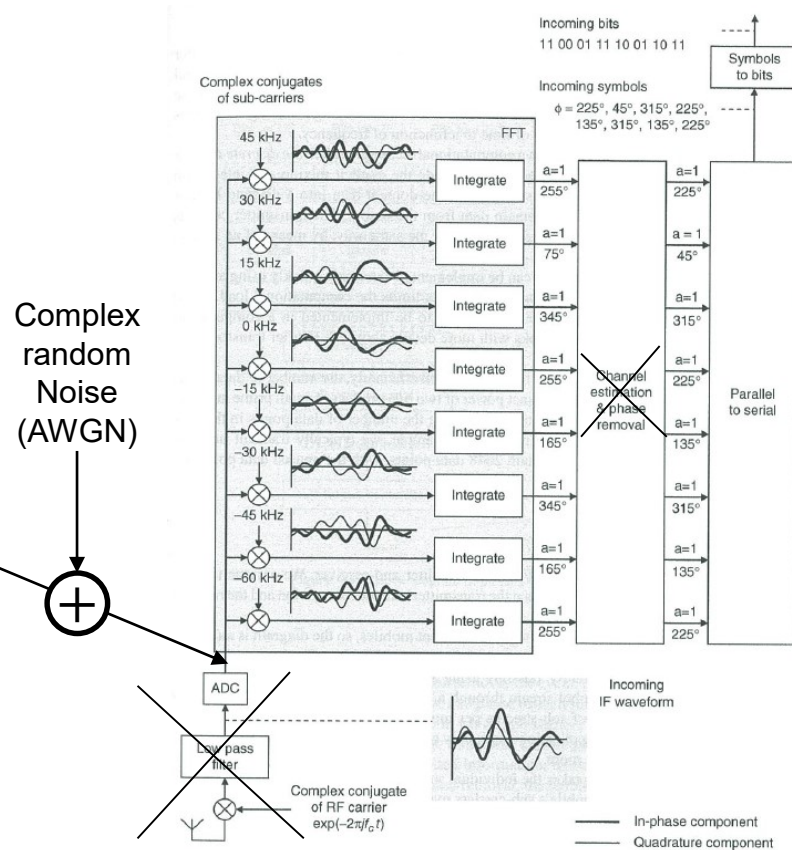


Figure 4.3 Processing steps in an OFDM receiver

Final Report Task

1. Make Matlab Model of Text Book OFDM Baseband Model sending information of 11 00 01 11 10 01 10 11.
2. Expand the modeling to 10000 OFDM symbols and Make Symbol Error Rate vs SNR(dB) Graph.
3. In addition, Make Bit Error Rate vs SNR(dB) Graph and Compare these Graphs and Explain why difference happens.

Make PDF report and submit to wada@ie.u-ryukyu.ac.jp by Feb 4th.