### ELEC 5705 RF Systems Design: Assignment #6

Due December 23rd, 2017

In this assignment you will need to create transmitter. Using the same base band waveform in assignment #5 design a transmitter to operate at 100MHz with an EVM of 14dB or better with an ACPR of at least -30dB. The assignment should consider things like required PA linearity, LO phase noise, IQ mismatch as well as any requirements for base band filters. Reports should detail your design process as well as the actual results you achieved.