

# Advanced Radio Communication Engineering Report -Professor T. Kojima

Kwame Ackah Bohulu     1631133

June 15 2016

[1]BER for equal energy binary transmission system based on ML criteria is  
given as

$$P_b = \frac{1}{2} \operatorname{erfc} \sqrt{\frac{(1 - \rho) E_b}{2 N_0}}$$