BER vs $\gamma_0$ (dB) for 0 Km/h and 10 Km/h for user 1 and user 2.

Simulation, $\gamma_p = \gamma_0$
Simulation, $\gamma_p = \gamma_s$
Analytical, $\gamma_p = \gamma_0$
Analytical, $\gamma_p = \gamma_s$