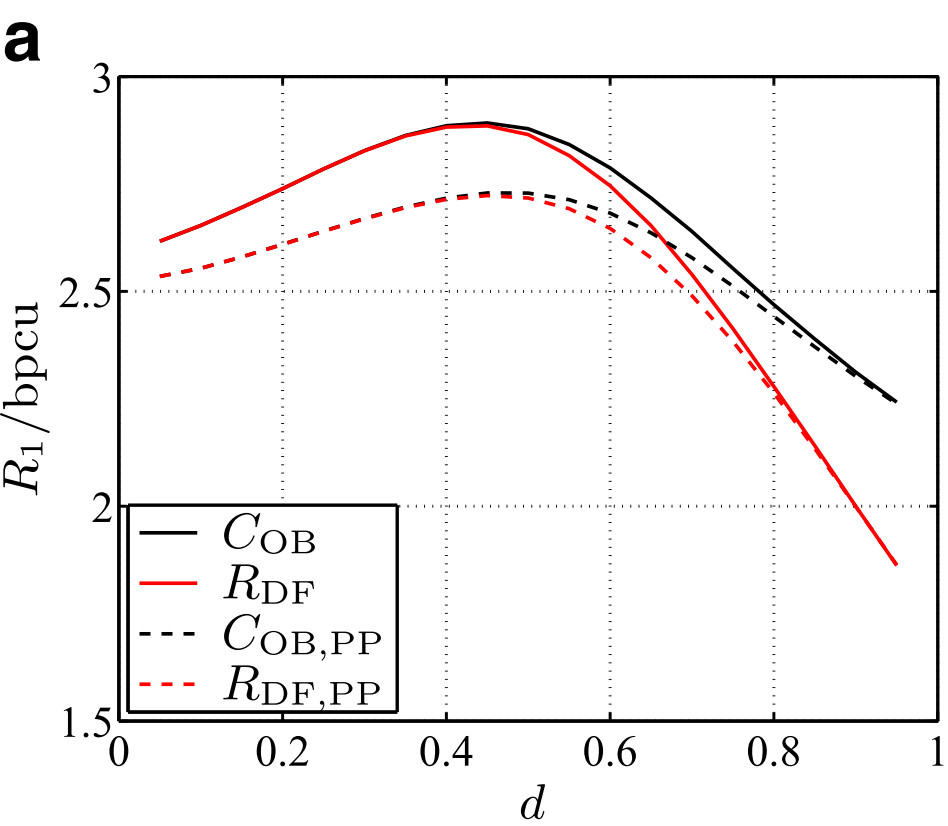
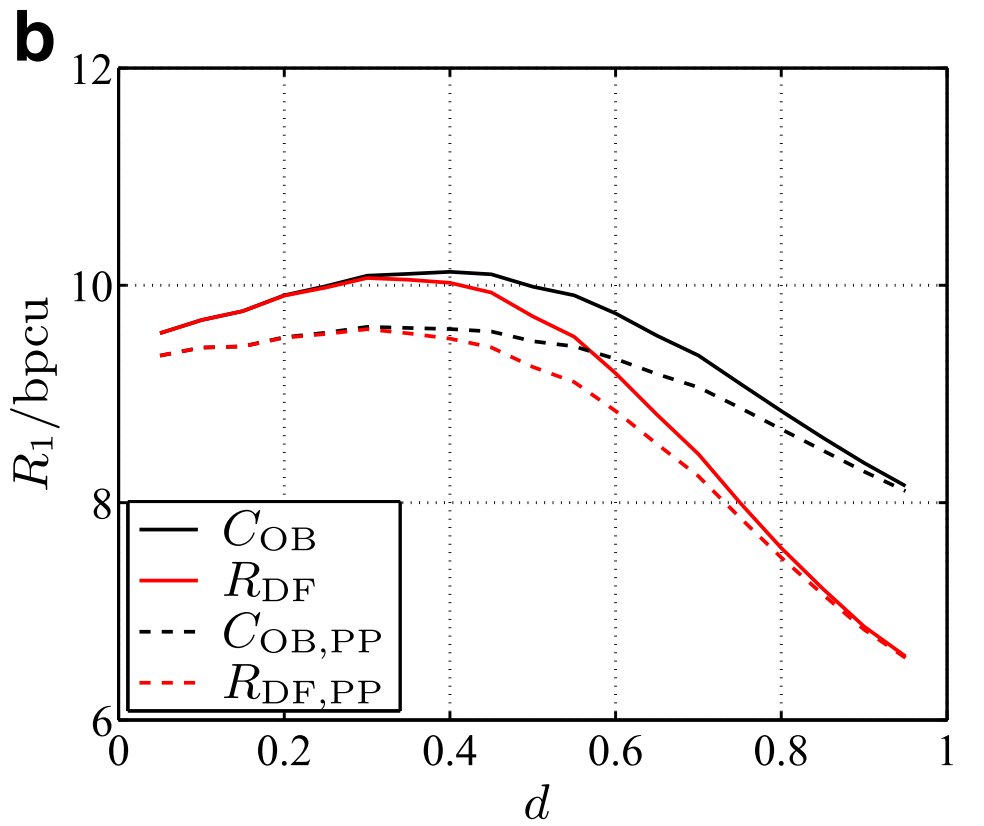


$N_1 = N_2 = N_{\mathrm{R}} = 1$; real deterministic channel coefficients: $h_{\mathrm{AB}} = d_{\mathrm{AB}}^{-\alpha/2}$.



$N_1 = N_2 = N_{\mathrm{R}} = 2$; complex random channel coefficients: $[\boldsymbol{H}_{\mathrm{AB}}]_{k,\ell} \sim \mathcal{N}_{\mathbb{C}}(0, d_{\mathrm{AB}}^{-\alpha})$ iid. (avgd. over 1000 channel realizations).