

Figure 4.2. The integral $I(\rho)$, (4.36), for the two example cases along with the upper bound $\hat{I}(\rho)$ (4.43 and 4.45).

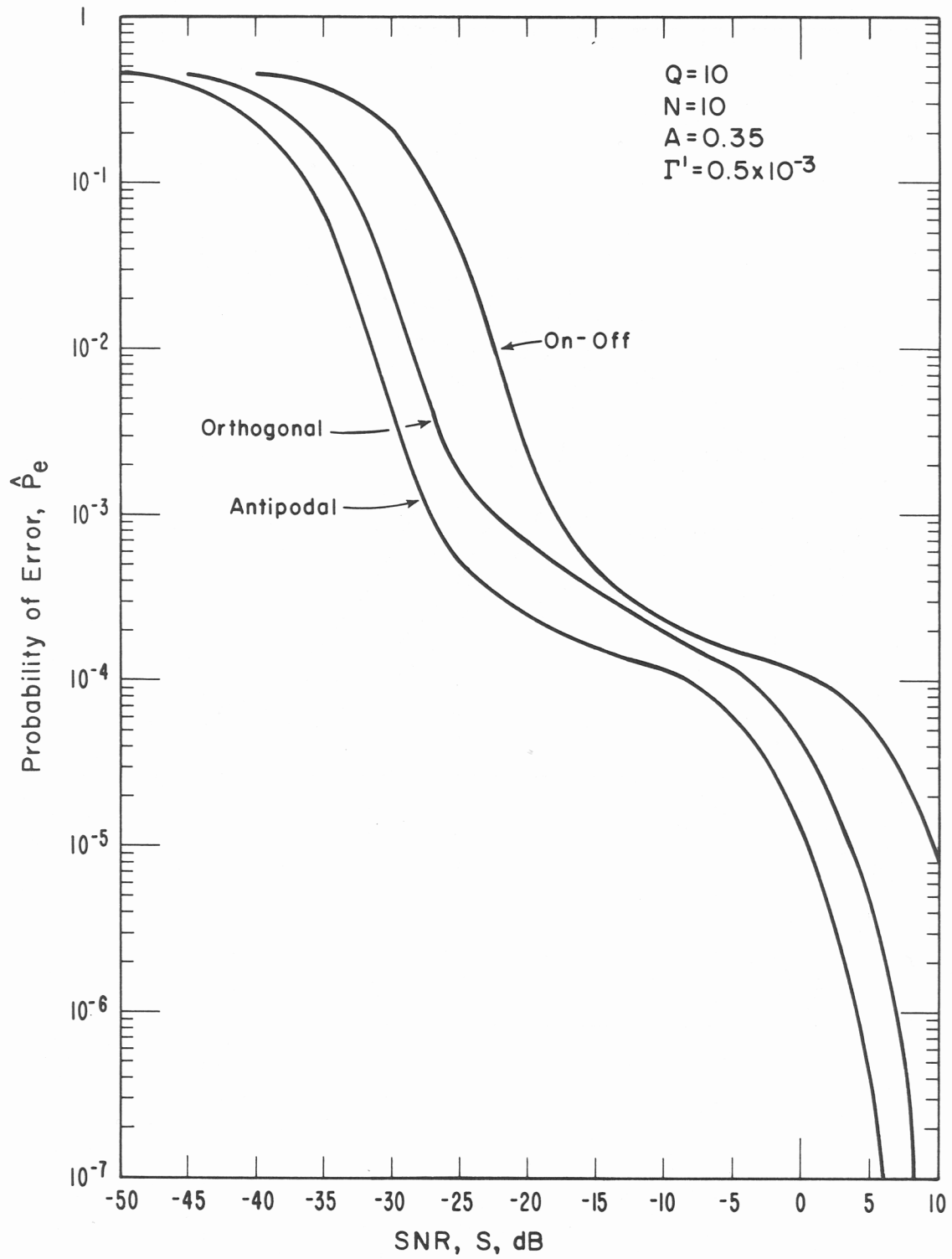


Figure 4.3. The upper bound on performance, \hat{P}_e , (4.44) for the three signaling cases for $N = 10$ and $Q = 10$.

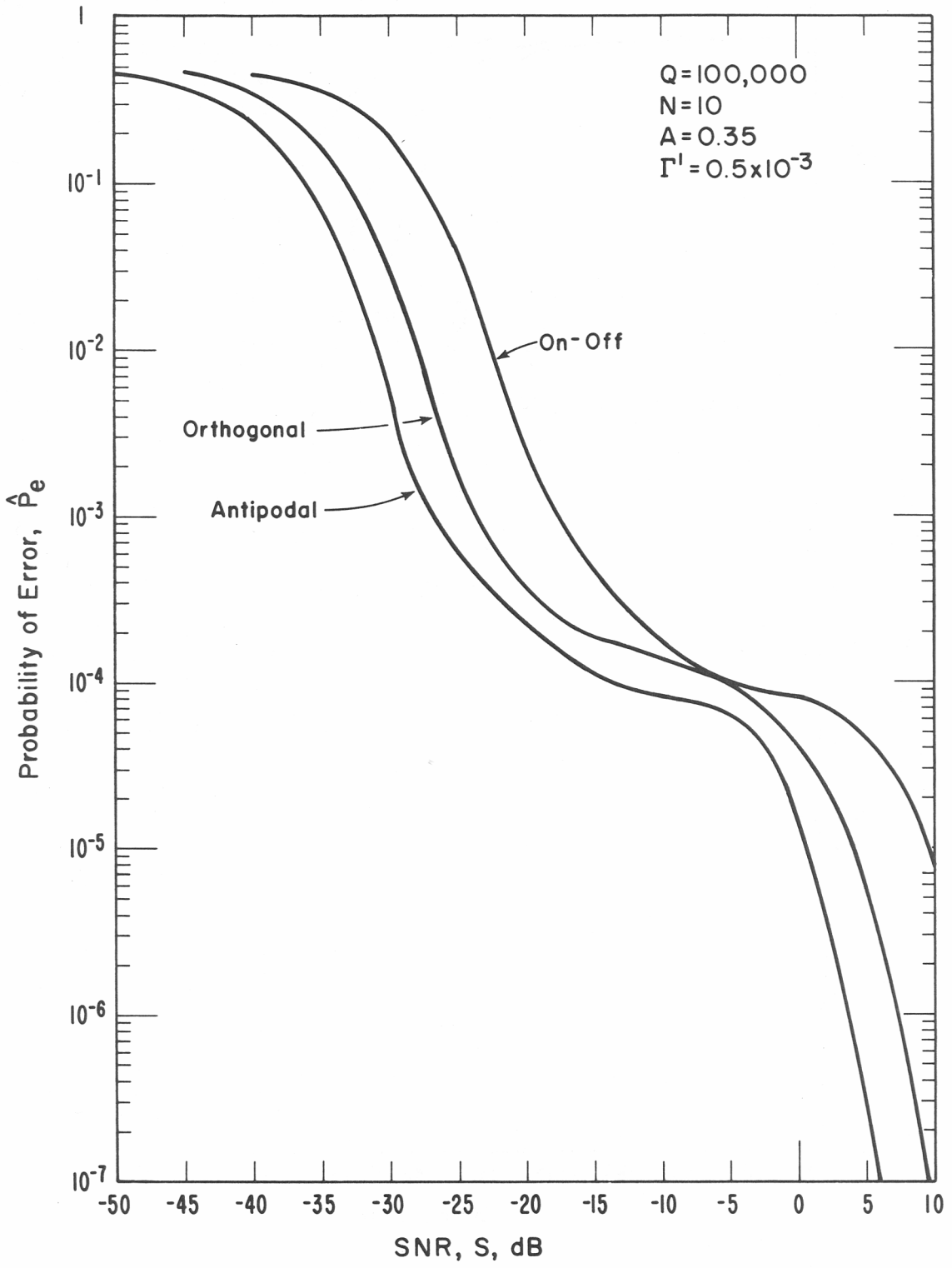


Figure 4.4. The upper bound on performance, \hat{P}_e , (4.44) for the three signaling cases for $N = 10$ and $Q = 100,000$.

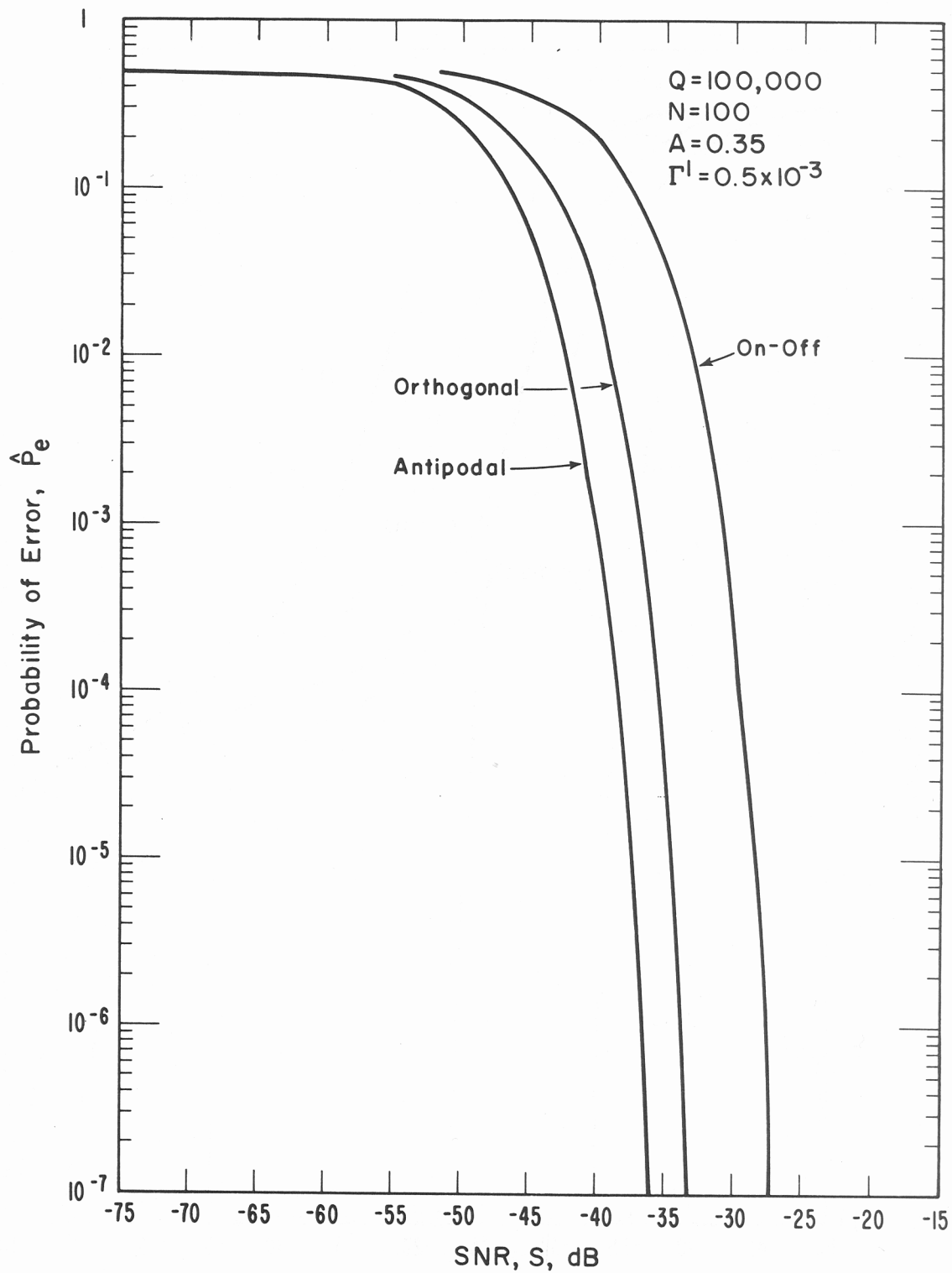


Figure 4.5. The upper bound on performance, \hat{P}_e , (4.44) for the three signaling cases for $N = 100$ and $Q = 100,000$.

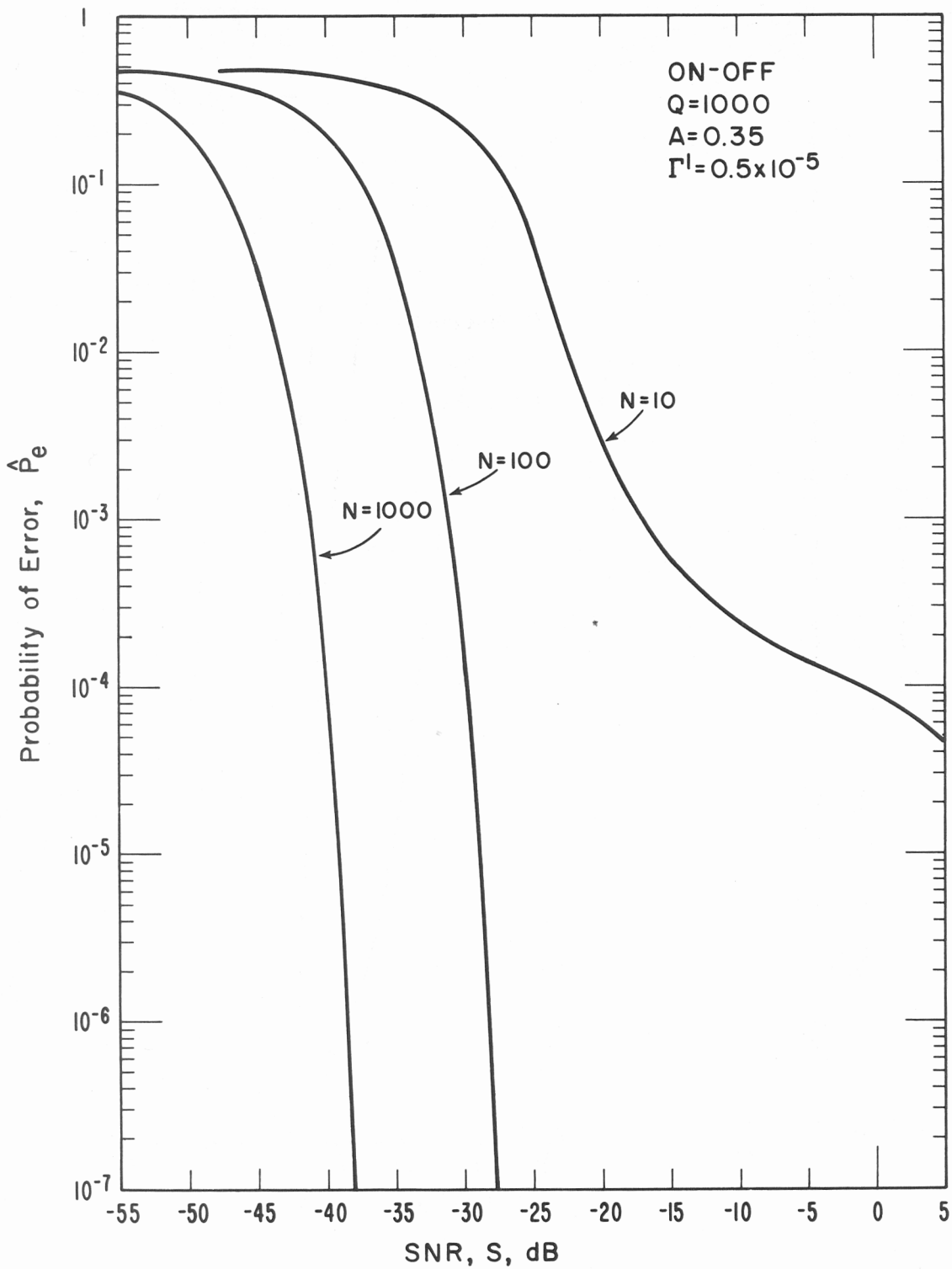


Figure 4.6. The upper bound on performance, \hat{P}_e , (4.44) for the ON-OFF signaling case for $Q = 1000$ and $N = 10, 100, \text{ and } 1000$.

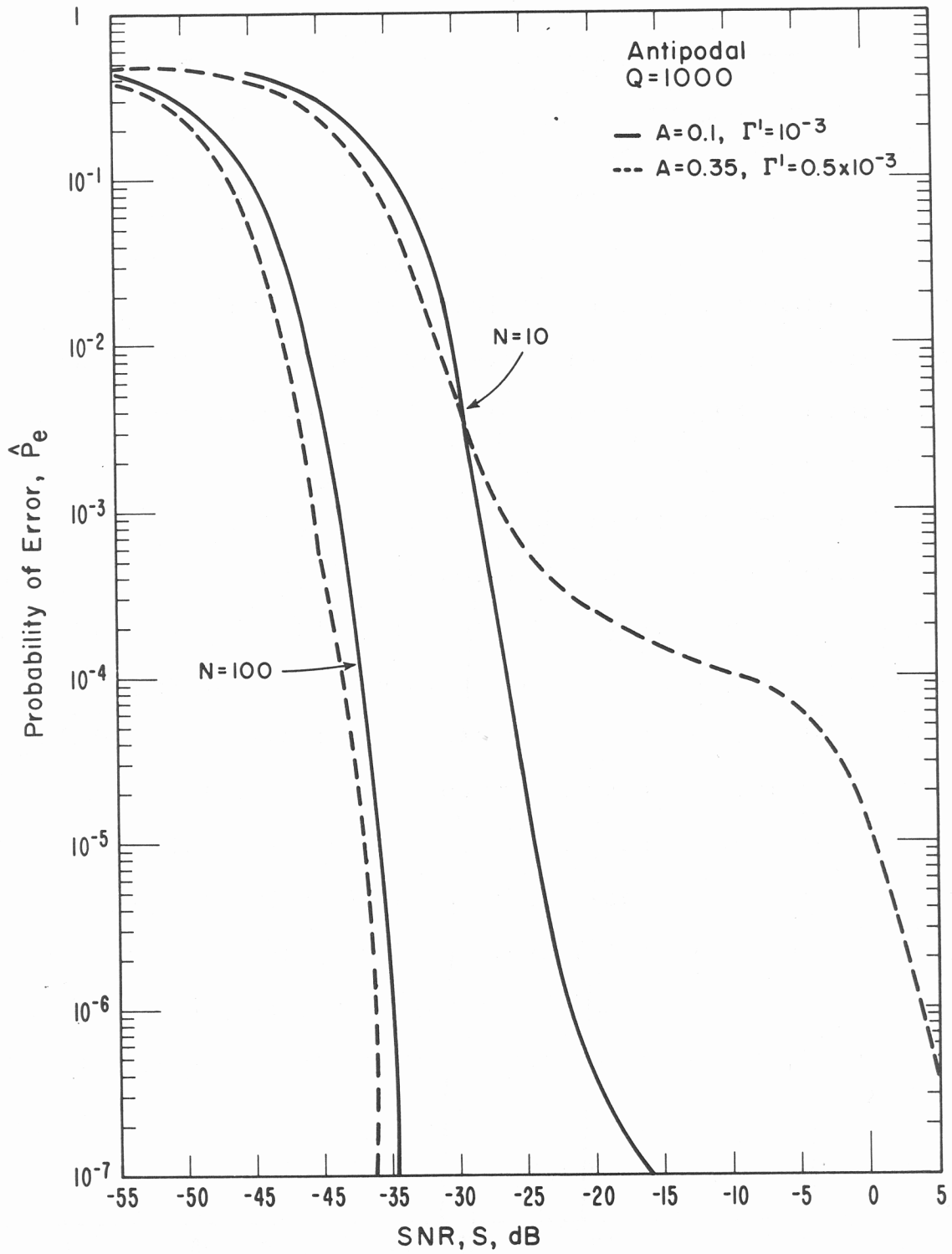


Figure 4.7. The upper bound on performance, \hat{P}_e , (4.44) for antipodal signaling for $Q = 1000$, $N = 10$ and 100 for the two example interference cases.