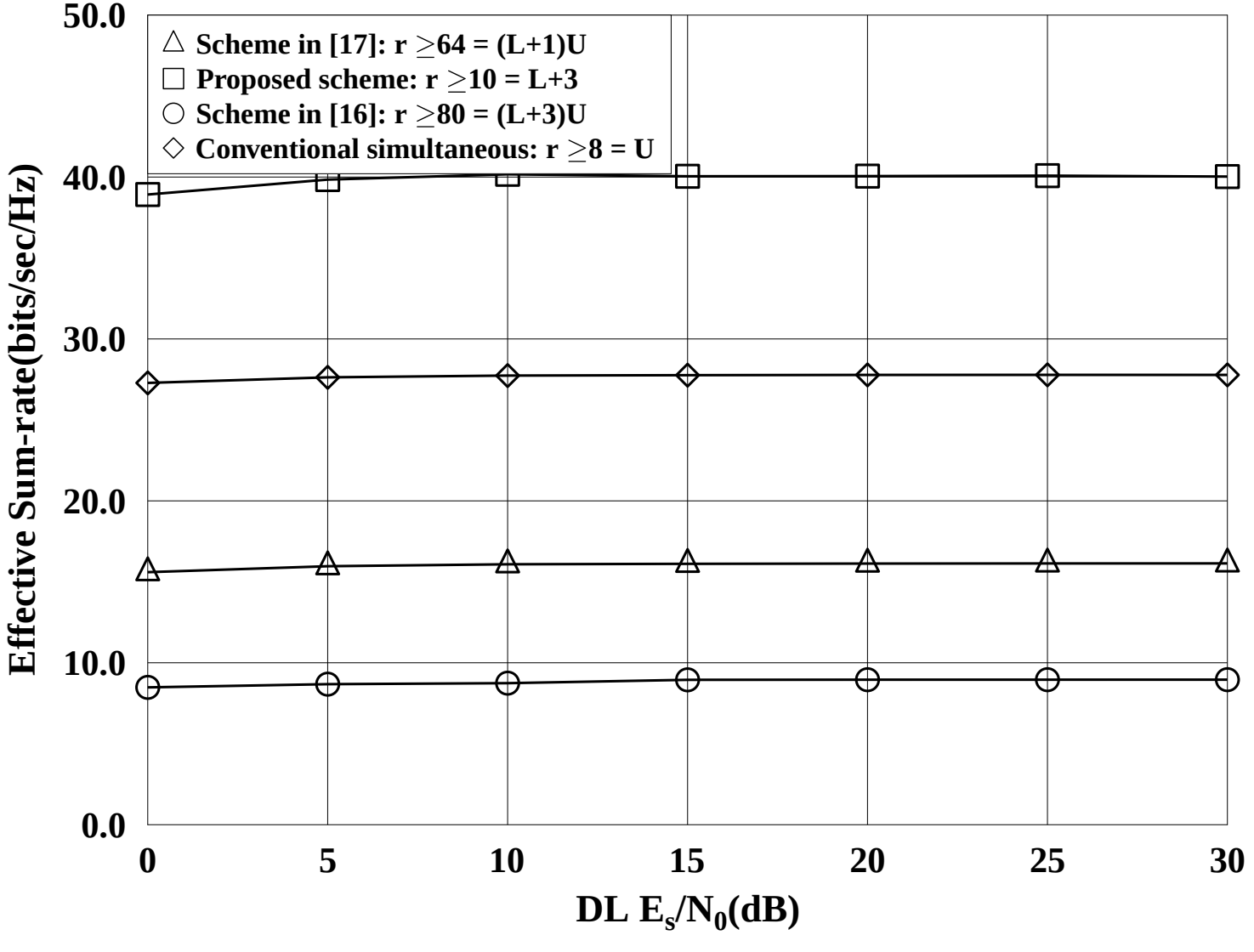
△ Scheme in [17]: r ≥64 = (L+1)U
□ Proposed scheme: r ≥10 = L+3
○ Scheme in [16]: r ≥80 = (L+3)U
◇ Conventional simultaneous: r ≥8 = U
Effective Sum-rate(bits/sec/Hz)
50.0
40.0
30.0
20.0
10.0
0.0
0
5
10
15
20
25
30
DL E_s/N_0(dB)