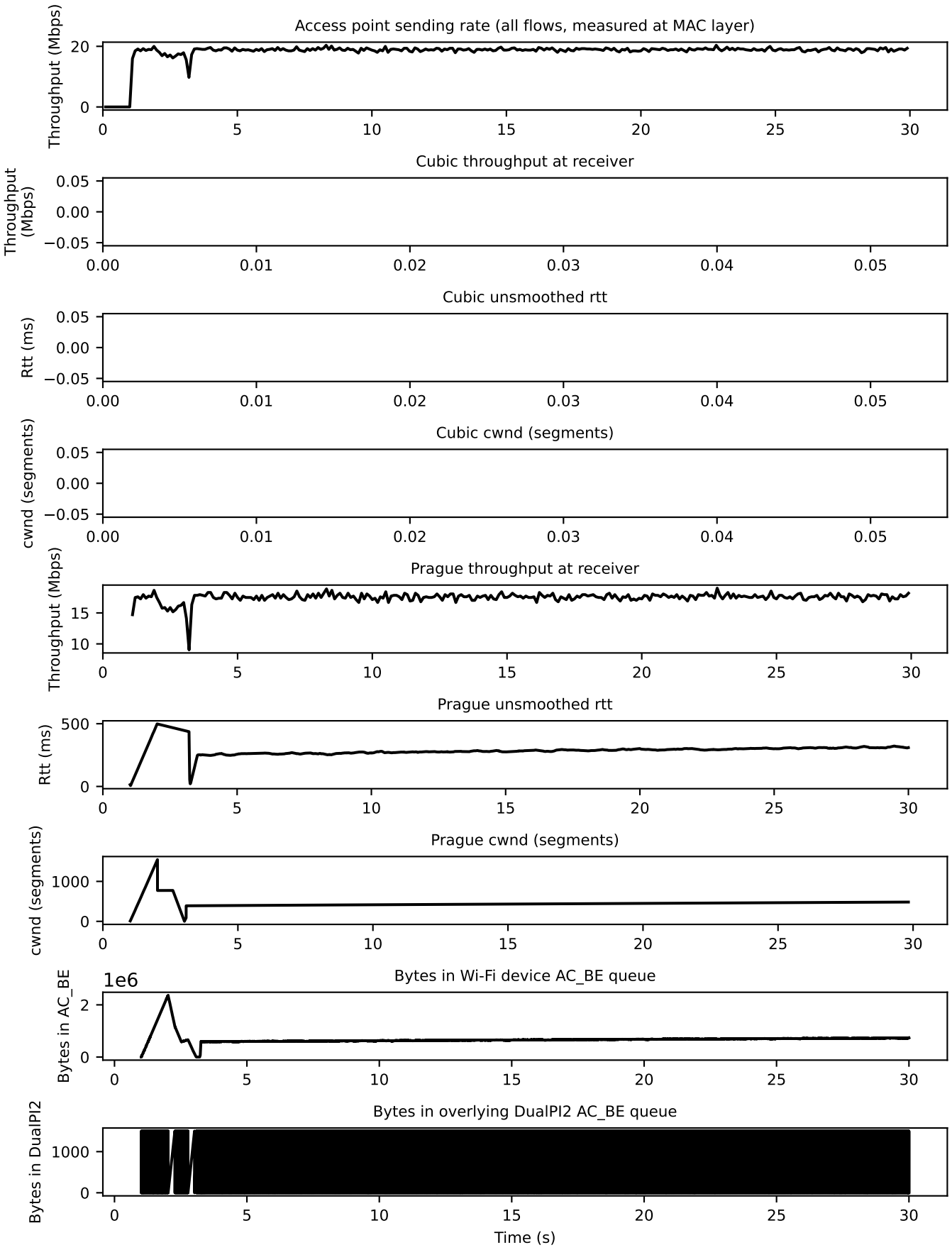Simulation ED5-MS1-AP0-LS1-TC2-TS1