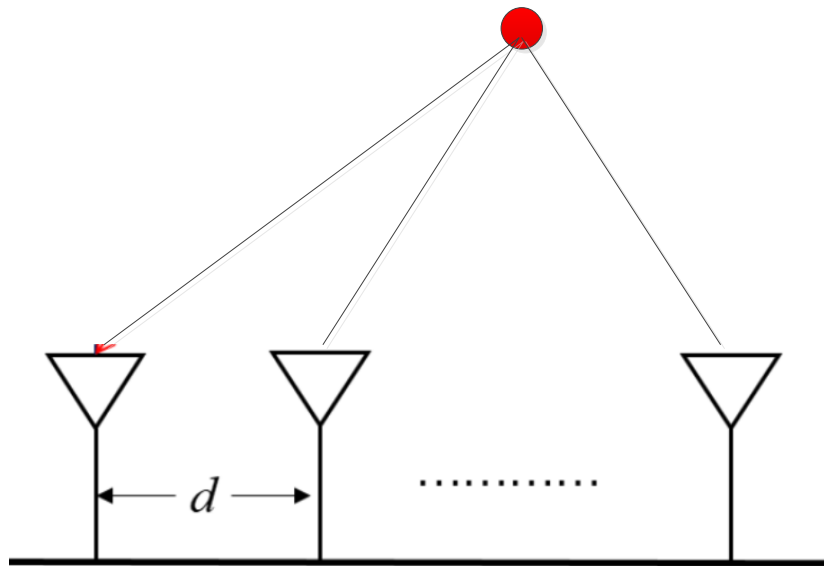
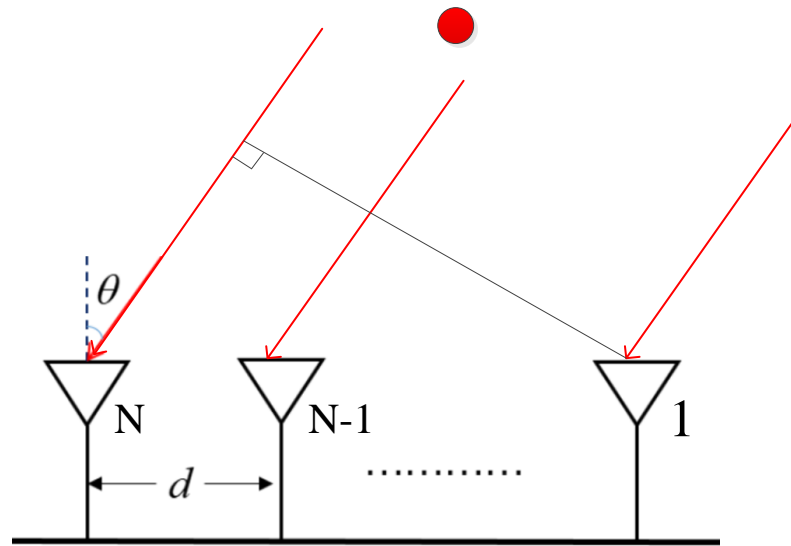


Transmitter with single antenna



Receiver with N antenna

(a) True signal propagation model



Receiver with N antenna

(b) Far-field approximation, which holds when the distance between Tx and Rx is large enough.