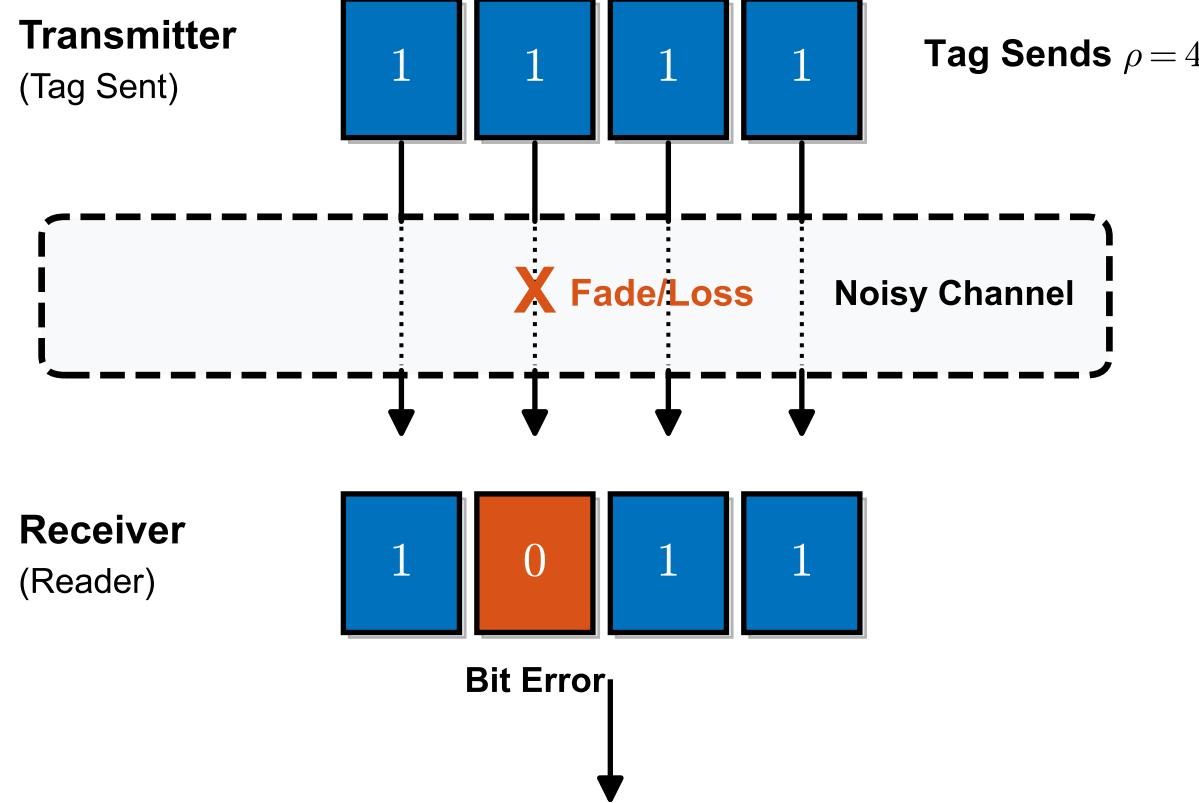


(a) Scenario A: Tag Present



Majority Voting Logic

Threshold: $\theta = \lfloor 4/2 \rfloor + 1 = 3$

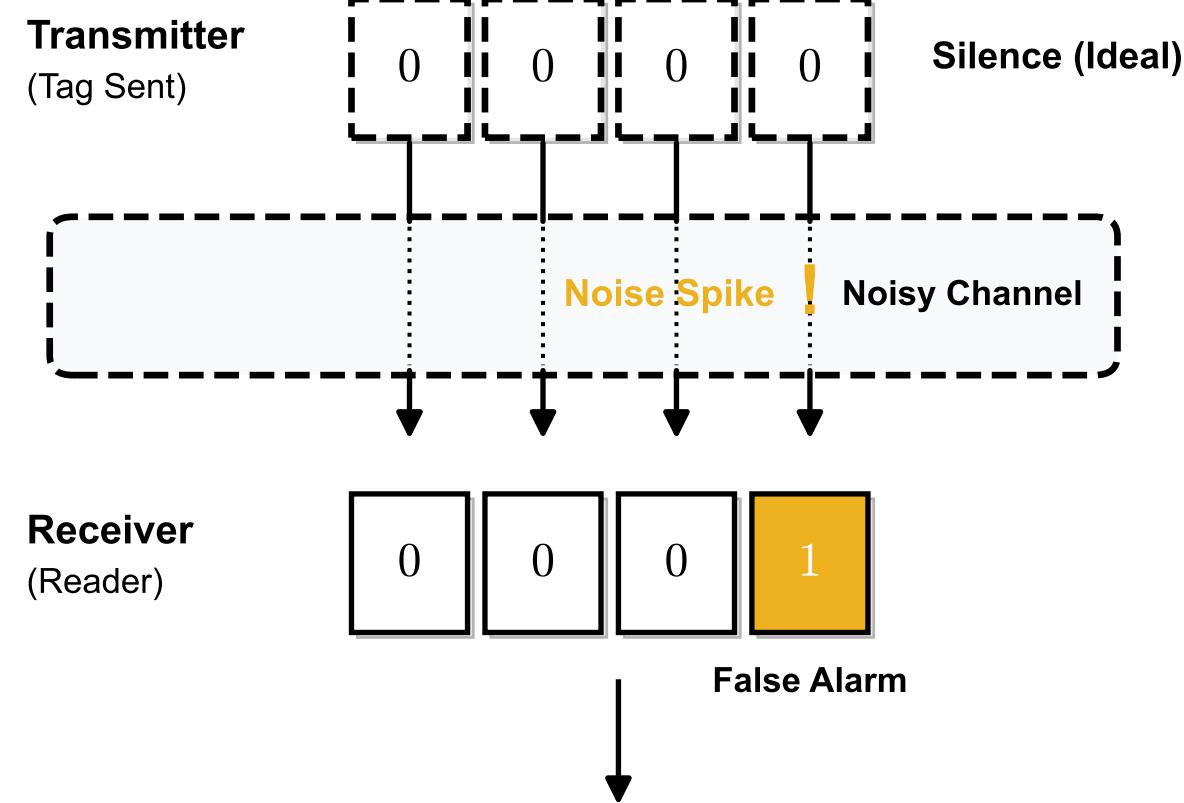
Vote Sum: $\Sigma = 3$

Check: $3 \geq 3 \rightarrow (\text{Pass})$

PRESENT

(Robust to 1 Error)

(b) Scenario B: Tag Missing



Majority Voting Logic

Threshold: $\theta = \lfloor 4/2 \rfloor + 1 = 3$

Vote Sum: $\Sigma = 1$

Check: $1 < 3 \rightarrow (\text{Reject})$

MISSING

(Noise Filtered)