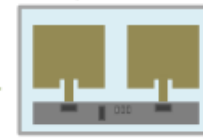
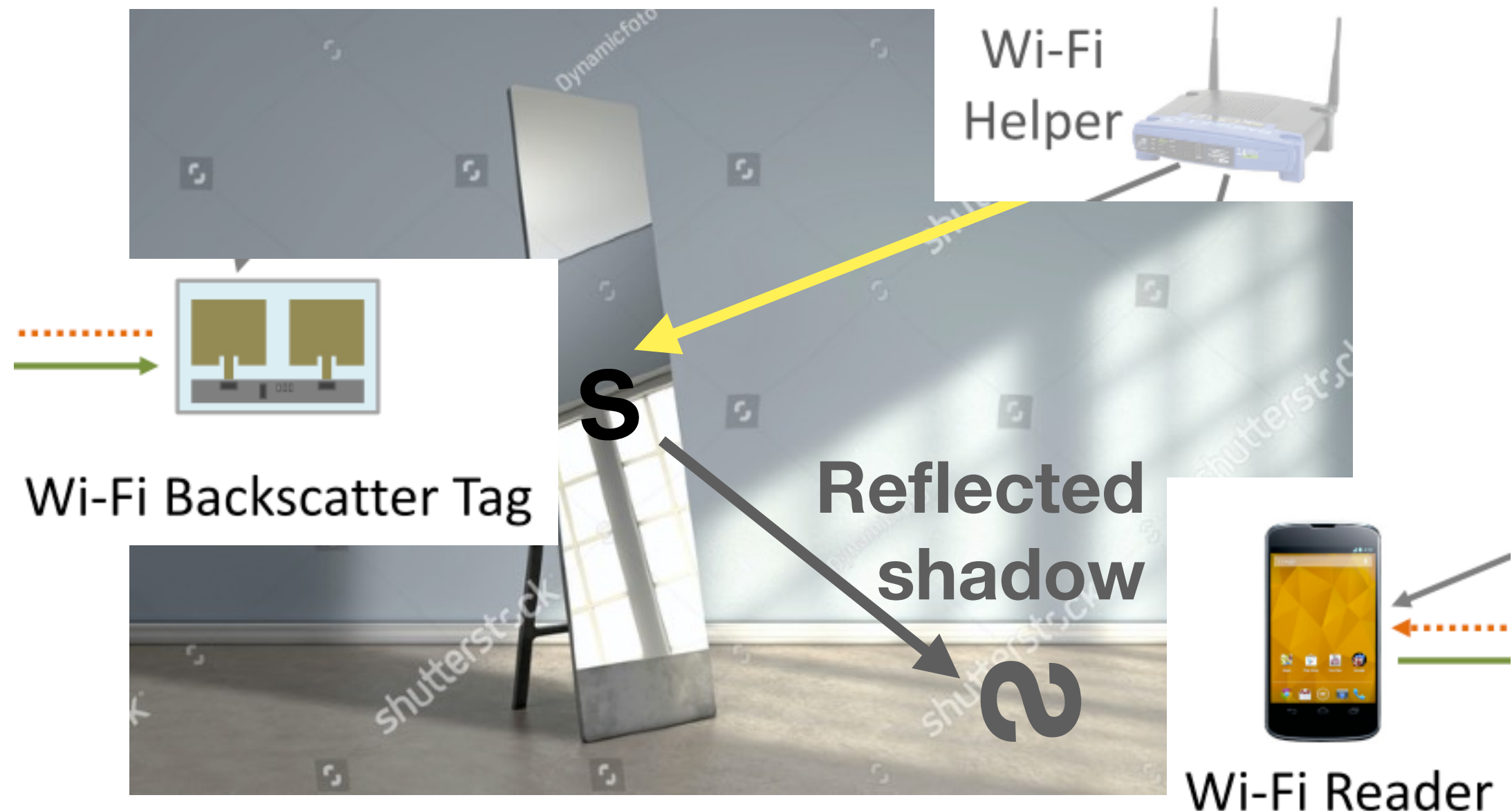


# Design

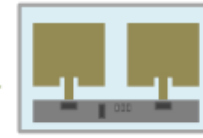


## Uplink communication - from tag to reader

- Another analogy : what is Backscatter?



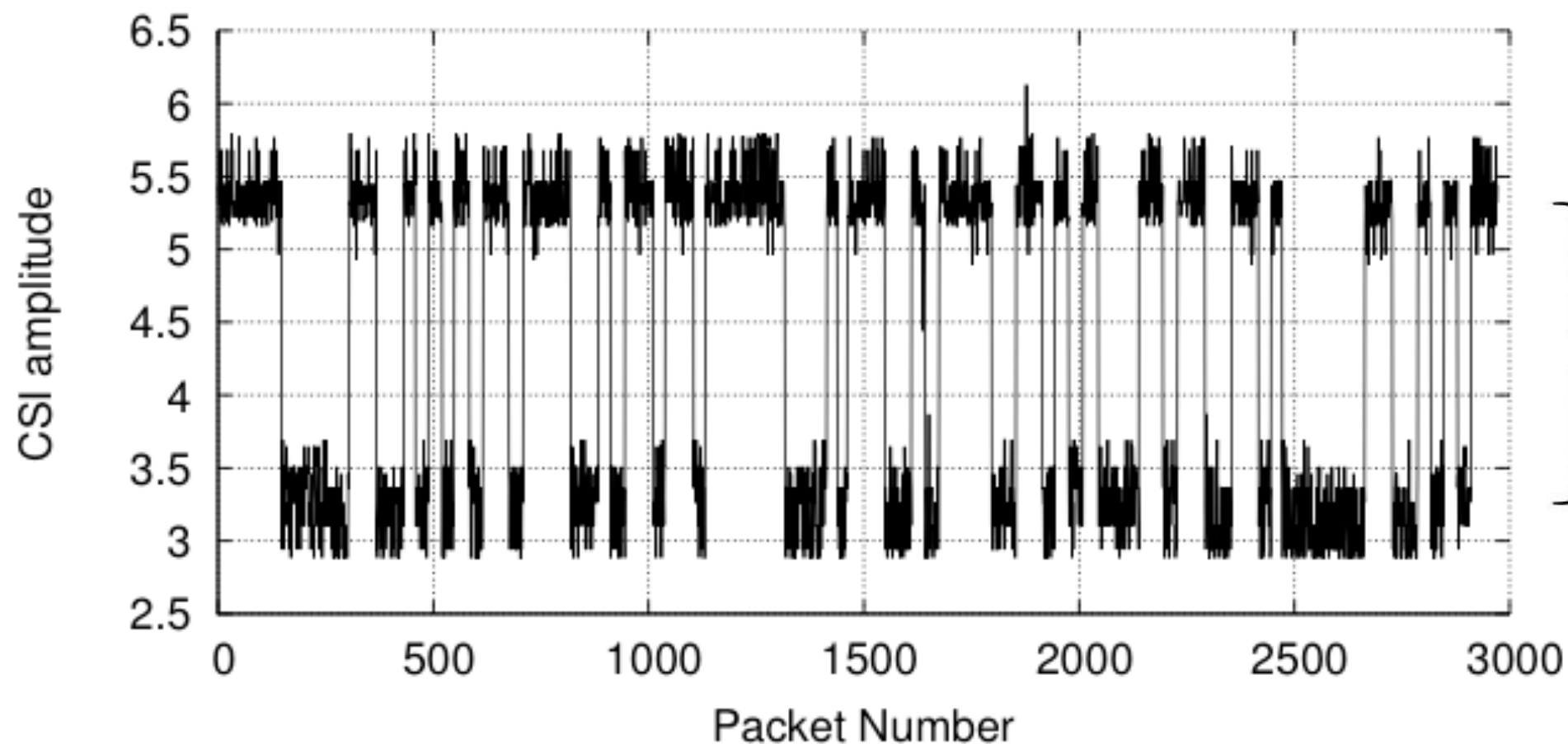
# Design



## Uplink communication - from tag to reader

*This is achieved by a low power switch  
that controls the antenna impedance*

- Key idea: change the amount of signal that is reflected by the tag -> change the CSI -> code the info into CSI amplitude



the contrast of  
The radar  
cross-section

Fully reflect  
vs  
Not reflect