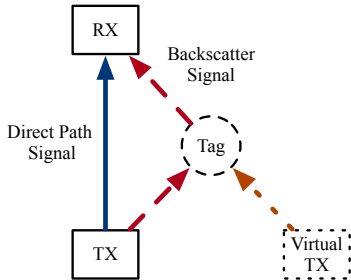
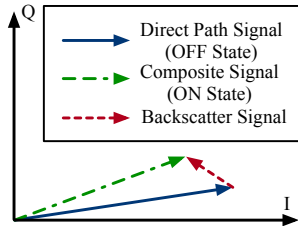


(a) The sketch of cyclist sensing with Palantir.



(b) Carrier signal and backscatter signal interfere at the receiver



(c) Signal composition in I-Q coordinate system

Figure 1: The sketch and sensing model of Palantir.