(PRF). The classical comparisons of ZF and BD are extensively addressed in [6] and [7] and the same behavior as for the flat fading channel can be observed for the TF selective channel in Figure 4. In the rest of this subsection, we focus mainly on the performance of the practical proposed PRF scheme. We note here that the PRF scheme is not compatible with the BD construction as it is based on a random vector quantization and not on a quantization over a Grassmann manifold [7].

Figure 3 compares the number of feedback bits required by each strategy. We can notice that the number of feedback bits using reduced feedback strategies is significantly reduced compared to straightforward strategies and that the number of feedback bits required by the PRF strategy is slightly increased compared to the GRF-ZF. The total duration of the feedback period in (21) depends on this number of feedback bits and the quantization strategy. For instance, the feedback time required by the PRF scheme operating at an SNR = 30

![Comparison of the number of feedback bits per user](image-url)