Final Project Check Off Sheet

Project Title: Local Decoding of Walsh Codes to Reduce CDA Despreading Computation

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TA Signature/Date:

Design

☐ State transition diagrams, Block Diagrams, Code

Functionality

☐ VGA interface displays graphs showing SNR/BER/power estimates

☐ Controller steps through decoders and dynamically updates SNR/BER

☐ Push buttons adjust SNR and (dis)enables feedback loop

☐ (Static) Power estimates are performed for each algorithm using XPower

☐ Decoding algorithm steps through test vectors stored in memory

☐ 3 decoding algorithms use FHT with an optional feedback loop