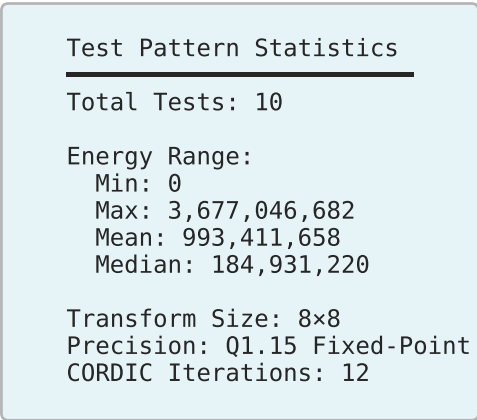
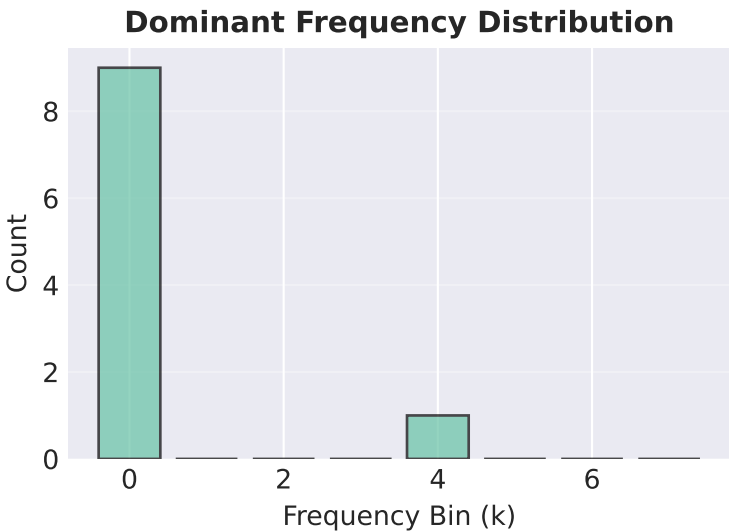
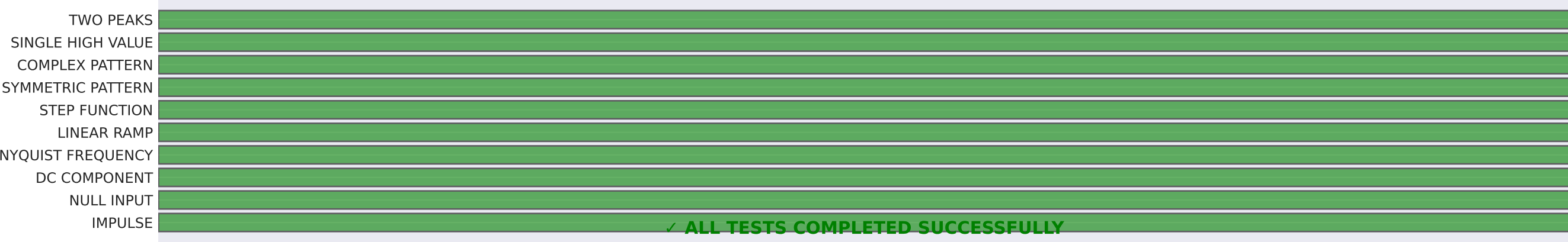


# QuantoniumOS Hardware RFT - Test Suite Overview

## CORDIC-based 8×8 Transform with Q1.15 Fixed-Point Arithmetic

Test Execution Status (All PASSED)



- ### Hardware Features
- ✓ CORDIC Rotation Engine
  - ✓ Complex Arithmetic
  - ✓ Twiddle Factor Generation
  - ✓ Frequency Analysis
  - ✓ Energy Conservation
  - ✓ Phase Detection
  - ✓ Dominant Freq ID
  - ✓ VCD Waveform Output

