

## BB84 Metrics Report

Timestamp: 2025-12-09 21:50:00.363186

Original File Size (bytes): 5292044

Cipher Algorithm: ChaCha20

Key Confirmation: Passed

Key Confirmation Error Rate: 0.0

Encryption Time (s): 8.8268

Key A Length: 112

Key B Length: 111

Key B - Count of 1s: 60

Key B - Count of 0s: 51

A/B Bit Match Percentage: 100.0

Estimated Shannon Entropy: 0.9963

Encrypted File Size (bytes): 9417900

SHA-256 Hash of Encrypted File: 39d8f7144cdc25c4a08c99b38491369c5efd6ff5ffa613e8be78dad3663a8ab

Post-Quantum Signature: Enabled