

## BB84 Metrics Report

Timestamp: 2025-12-12 17:40:05.649563

Original File Size (bytes): 1610187

Cipher Algorithm: AES-SIV

Key Confirmation: Passed

Key Confirmation Error Rate: 0.0

Encryption Time (s): 2.6553

Key A Length: 128

Key B Length: 126

Key B - Count of 1s: 77

Key B - Count of 0s: 49

A/B Bit Match Percentage: 100.0

Estimated Shannon Entropy: 0.97

Encrypted File Size (bytes): 2872346

SHA-256 Hash of Encrypted File: cc027556bbf3535fd3b8efe82b854c10f94af10f76f3a07fa57f09362515d52e

Post-Quantum Signature: Enabled

QKD - Sifted Length: 146

QKD - QBER: 0.0

QKD - Final Secure Length (ell): 112.78