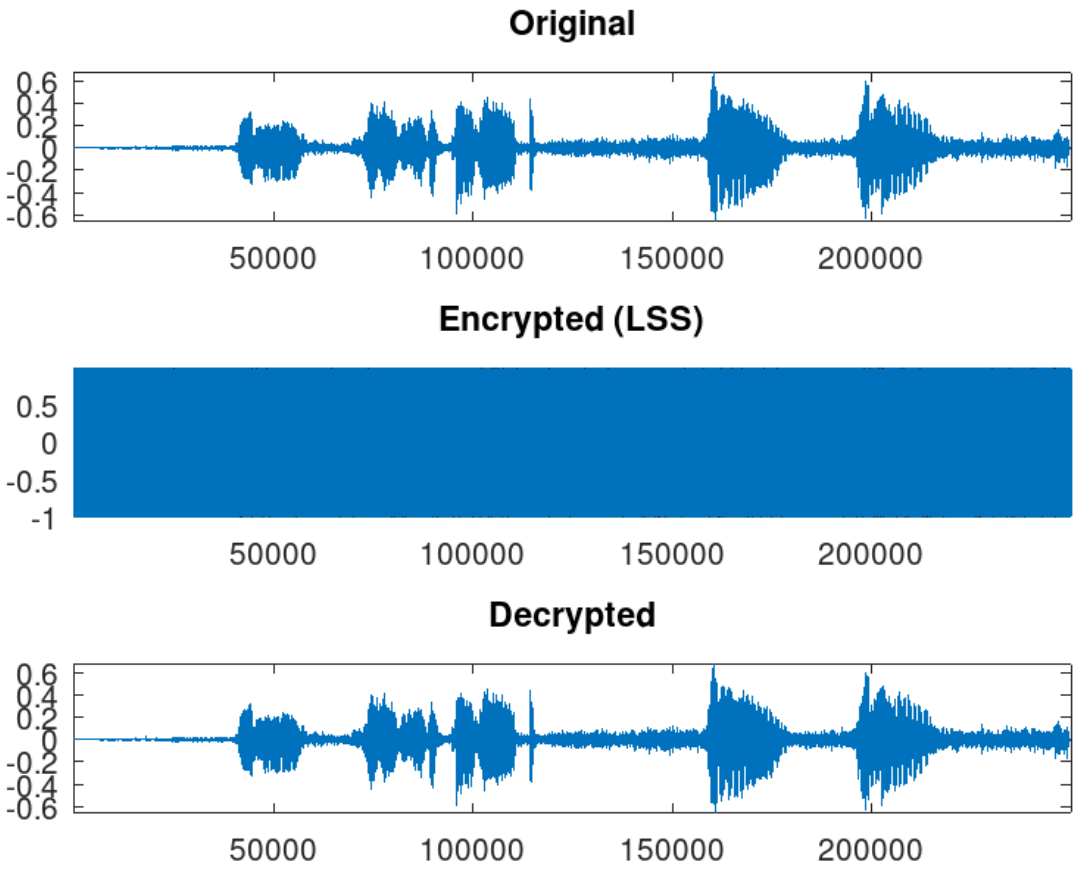
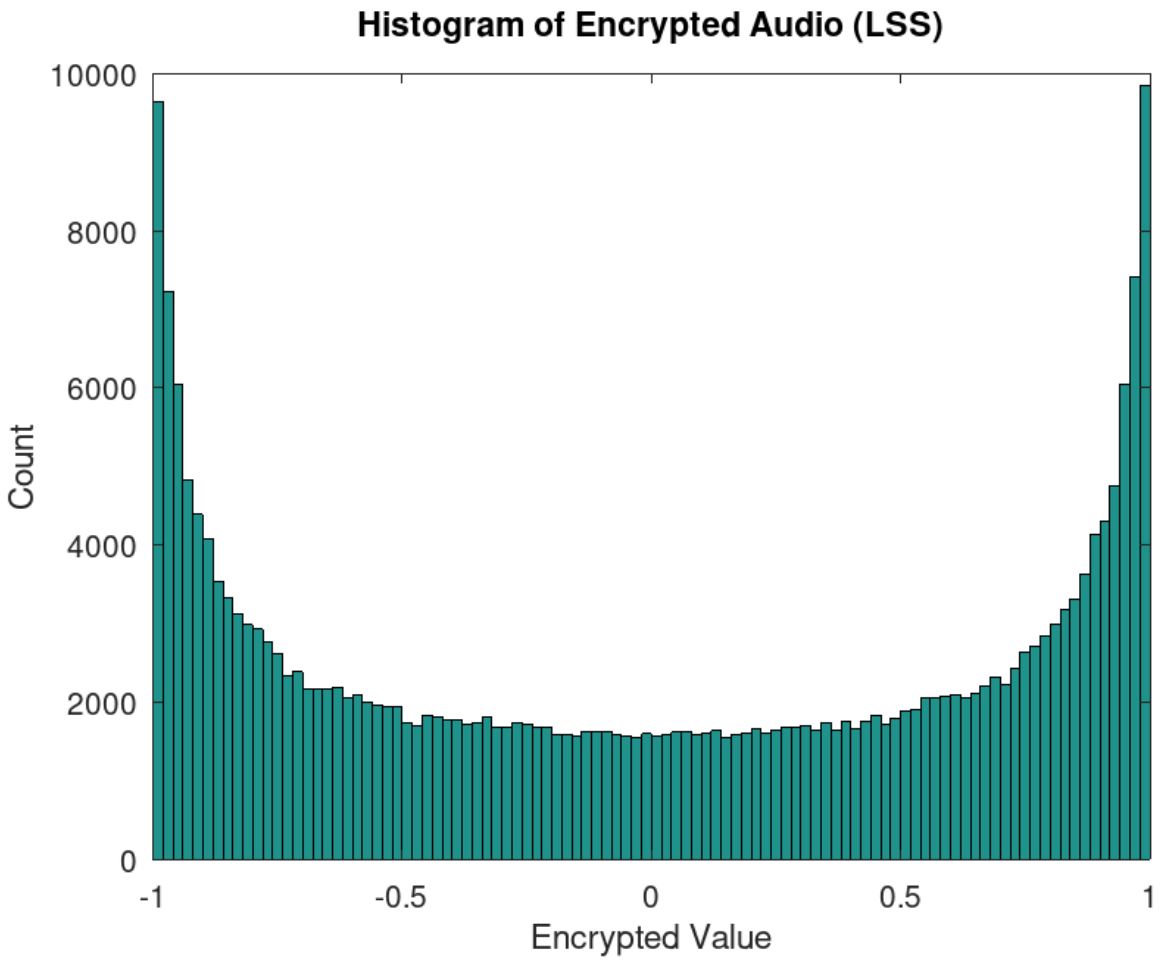
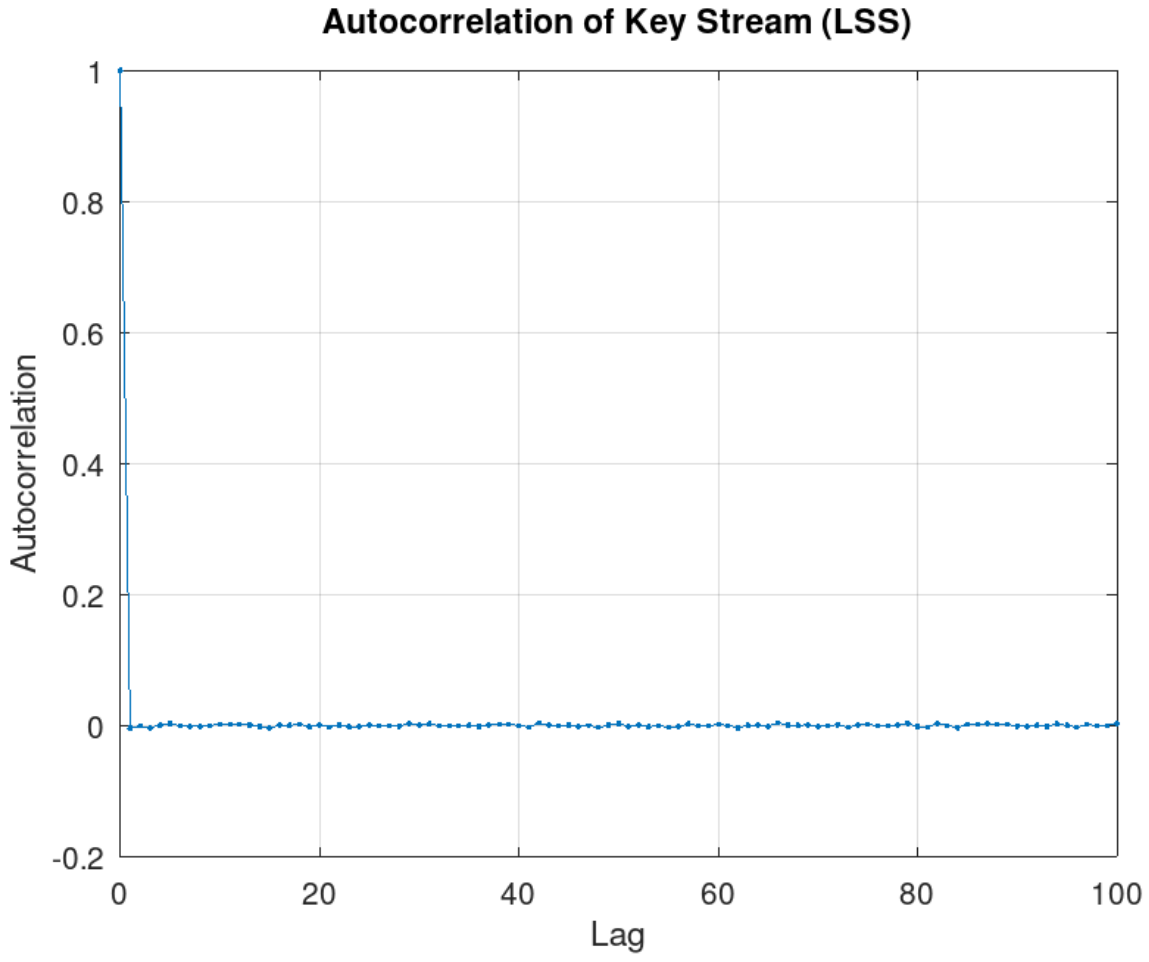
>> LSM RESULTS

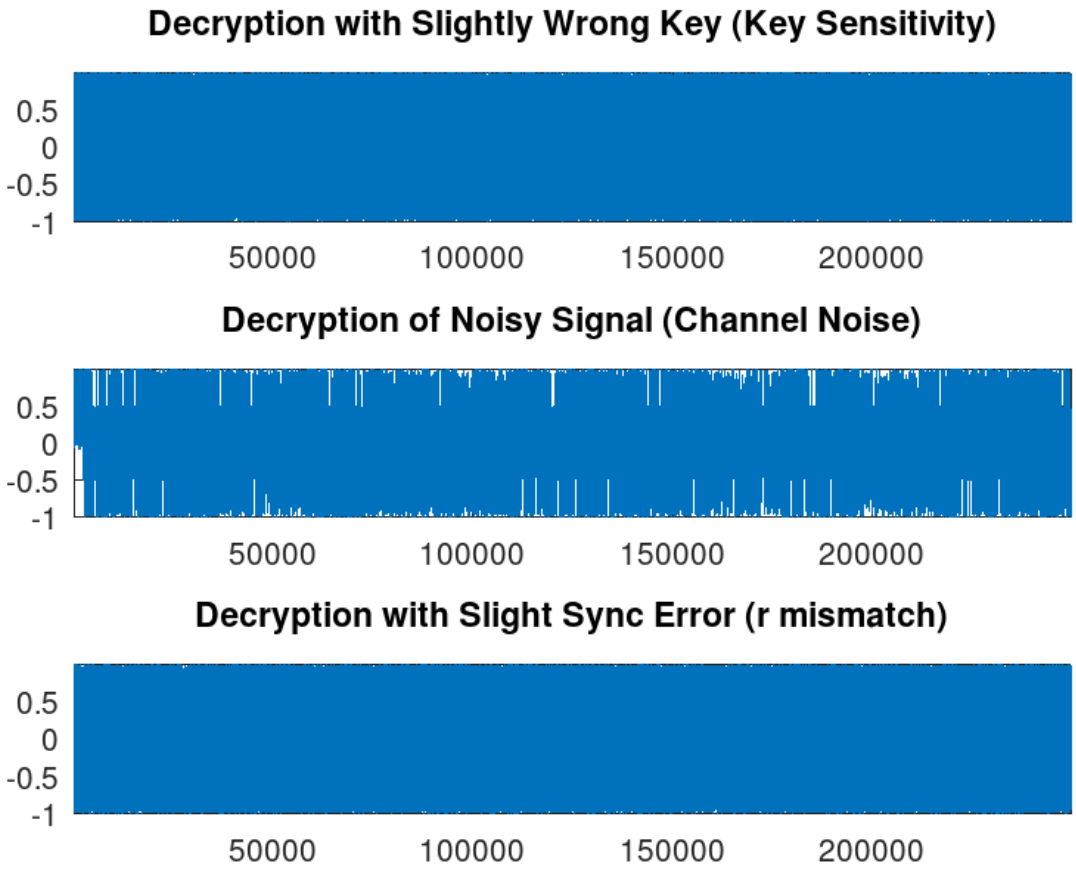
--- Basic Analysis (Logistic-Sine Map) ---
MSE (decrypted vs. original): 0.000000
Correlation (original vs. decrypted): 1.0000
Correlation (input vs. encrypted): -0.0001

--- Extended Analysis ---
Key Sensitivity MSE: 0.306679
Key Sensitivity Correlation: 0.0028
Channel Noise MSE: 0.032471
Channel Noise Correlation: 0.4989
Sync Error MSE: 0.307233
Sync Error Correlation: 0.0001
>>




Histogram of Encrypted Audio (LSS)
Count
Encrypted Value
10000
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1


Autocorrelation of Key Stream (LSS)
Autocorrelation
Lag
1
0.8
0.6
0.4
0.2
0
-0.2
0
20
40
60
80
100


Decryption with Slightly Wrong Key (Key Sensitivity)
0.5
0
-0.5
-1
50000
100000
150000
200000
Decryption of Noisy Signal (Channel Noise)
0.5
0
-0.5
-1
50000
100000
150000
200000
Decryption with Slight Sync Error (r mismatch)
0.5
0
-0.5
-1
50000
100000
150000
200000