AUDIO FORENSIC ANALYSIS REPORT

Generated on: 2025-09-21 12:17:42

Report ID: REP-20250921-121721

Analysis Date: 2025-09-21 12:17:42

Executive Summary

Analysis Type	Result	Status
Voice Matching	Different Speaker (0.08)	✗ NO MATCH
AI Detection	synthetic (1.0000)	✓ AUTHENTIC
Transcript Match	0.00% similarity	■ LOW

File Information

Property	Value
Duration	1.82 seconds
Sample Rate	16,000 Hz
Channels	1
File Size	58,412 bytes
SHA256 Hash	9f28ca6971af08e5d36012f1dc9119f5...

1. Voiceprint Comparison Analysis

Same Speaker: False

Similarity Score: 0.0772

Analysis: Voiceprint comparison uses acoustic features to determine speaker identity.

2. AI Synthetic Detection

Classification: synthetic

Confidence Score: 1.0000

Analysis: Machine learning model trained to detect artificially generated speech.

3. Background Noise Analysis

Metric	Value
File1 Features	{'mean_rms': 0.001137681188993156, 'variation': 0.002083372091874480

4. Transcript Comparison

Similarity Score: 0.00%

Original Length: 0 characters

Suspected Length: 19 characters

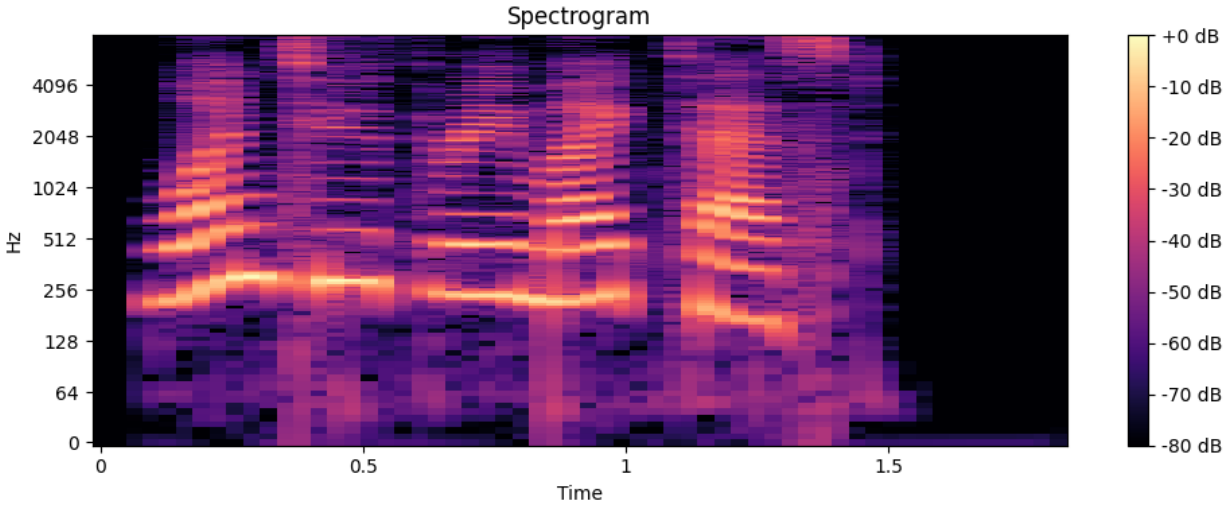
Original Transcript:

Suspected Transcript:
1, 2, 3, mic test.

5. Enhanced Spectrogram Analysis

Professional forensic spectrogram with automated anomaly detection and quantitative analysis:

Highlighted Spectrogram (Red boxes = Detected anomalies):



Forensic Spectrogram Legend:

- **Red rectangles:** Computer-detected anomalies (possible editing artifacts)
- **Bright areas:** High-energy frequencies
- **Dark areas:** Low-energy or silent regions
- **Anomaly threshold:** Intensity > 200 (out of 255 max)

6. Report Verification

Scan the QR code below to verify this report's authenticity:

Complete SHA256:
9f28ca6971af08e5d36012f1dc9119f51914d38867932398d3c1b7245bc7bab0