# Detailed Report for Test ID: 1

## File Information

Original Audio:   orig_audio_sine.wav

Stego Audio:      stego_001_alg1_sine_baboon.wav

Original Image:   orig_image_baboon.png

Extracted Image: extract_001_alg1_baboon_from_sine.png

## Metric Results

| Metric | Value |
| --- | --- |
| Audio Mse | 1.8552e-11 |
| Audio Psnr | 107.3160 |
| Audio Snr | 99.2040 |
| Image Ber | 0 |
| Image Mse | 0 |
| Image Psnr | inf |
| Image Ssim | 1.0000 |

# Detailed Report for Test ID: 2

## File Information

Original Audio:   orig_audio_sine.wav

Stego Audio:   stego_002_alg1_sine_pepper.wav

Original Image:   orig_image_pepper.png

Extracted Image:   extract_002_alg1_pepper_from_sine.png

## Metric Results

| Metric | Value |
|---|---|
| Audio Mse | 1.8815e-11 |
| Audio Psnr | 107.2550 |
| Audio Snr | 99.1462 |
| Image Ber | 0 |
| Image Mse | 0 |
| Image Psnr | inf |
| Image Ssim | 1.0000 |

# Detailed Report for Test ID: 3

## File Information

Original Audio:   orig_audio_sine.wav

Stego Audio:       stego_003_alg1_sine_cameraman.wav

Original Image:   orig_image_cameraman.png

Extracted Image:  extract_003_alg1_cameraman_from_sine.png

## Metric Results

| Metric | Value |
|---|---:|
| Audio Mse | 1.8625e-11 |
| Audio Psnr | 107.2991 |
| Audio Snr | 99.1880 |
| Image Ber | 0 |
| Image Mse | 0 |
| Image Psnr | inf |
| Image Ssim | 1.0000 |

# Detailed Report for Test ID: 4

## File Information

Original Audio:  orig_audio_pink.wav

Stego Audio:  stego_004_alg2_pink_baboon.wav

Original Image:  orig_image_baboon.png

Extracted Image:  extract_004_alg2_baboon_from_pink.png

## Metric Results

| Metric | Value |
|---|---:|
| Audio Mse | 2.7226e-11 |
| Audio Psnr | 105.6502 |
| Audio Snr | 53.3577 |
| Image Ber | 0 |
| Image Mse | 0 |
| Image Psnr | inf |
| Image Ssim | 1.0000 |

# Detailed Report for Test ID: 5

## File Information

Original Audio:   orig_audio_pink.wav

Stego Audio:      stego_005_alg2_pink_pepper.wav

Original Image:   orig_image_pepper.png

Extracted Image:  extract_005_alg2_pepper_from_pink.png

## Metric Results

| Metric | Value |
|---|---:|
| Audio Mse | 2.7317e-11 |
| Audio Psnr | 105.6356 |
| Audio Snr | 53.3436 |
| Image Ber | 0 |
| Image Mse | 0 |
| Image Psnr | inf |
| Image Ssim | 1.0000 |

# Detailed Report for Test ID: 6

## File Information

Original Audio:   orig_audio_pink.wav

Stego Audio:   stego_006_alg2_pink_cameraman.wav

Original Image:   orig_image_cameraman.png

Extracted Image:   extract_006_alg2_cameraman_from_pink.png

## Metric Results

| Metric | Value |
|---|---:|
| Audio Mse | 2.7326e-11 |
| Audio Psnr | 105.6342 |
| Audio Snr | 53.3423 |
| Image Ber | 0 |
| Image Mse | 0 |
| Image Psnr | inf |
| Image Ssim | 1.0000 |

# Detailed Report for Test ID: 7

## File Information

Original Audio:   orig_audio_femaleSpech.wav

Stego Audio:   stego_007_alg3_femaleSpech_baboon.wav

Original Image:   orig_image_baboon.png

Extracted Image:   extract_007_alg3_baboon_from_femaleSpech.png

## Metric Results

| Metric | Value |
|---|---:|
| Audio Mse | 5.3797e-11 |
| Audio Psnr | 102.6924 |
| Audio Snr | 79.0796 |
| Image Ber | 0 |
| Image Mse | 0 |
| Image Psnr | inf |
| Image Ssim | 1.0000 |

# Detailed Report for Test ID: 8

## File Information

Original Audio: orig_audio_femaleSpech.wav

Stego Audio: stego_008_alg3_femaleSpech_pepper.wav

Original Image: orig_image_pepper.png

Extracted Image: extract_008_alg3_pepper_from_femaleSpech.png

## Metric Results

| Metric | Value |
|---|---|
| Audio Mse | 5.5128e-11 |
| Audio Psnr | 102.5863 |
| Audio Snr | 78.9754 |
| Image Ber | 0 |
| Image Mse | 0 |
| Image Psnr | inf |
| Image Ssim | 1.0000 |

# Detailed Report for Test ID: 9

## File Information

Original Audio:   orig_audio_femaleSpech.wav

Stego Audio:   stego_009_alg3_femaleSpech_cameraman.wav

Original Image:   orig_image_cameraman.png

Extracted Image:   extract_009_alg3_cameraman_from_femaleSpech.png

## Metric Results

| Metric | Value |
|---|---|
| Audio Mse | 6.0741e-11 |
| Audio Psnr | 102.1652 |
| Audio Snr | 78.5614 |
| Image Ber | 0 |
| Image Mse | 0 |
| Image Psnr | inf |
| Image Ssim | 1.0000 |

# Summary Visualizations

**Chart for audio_mse**



**Chart for audio_psnr**
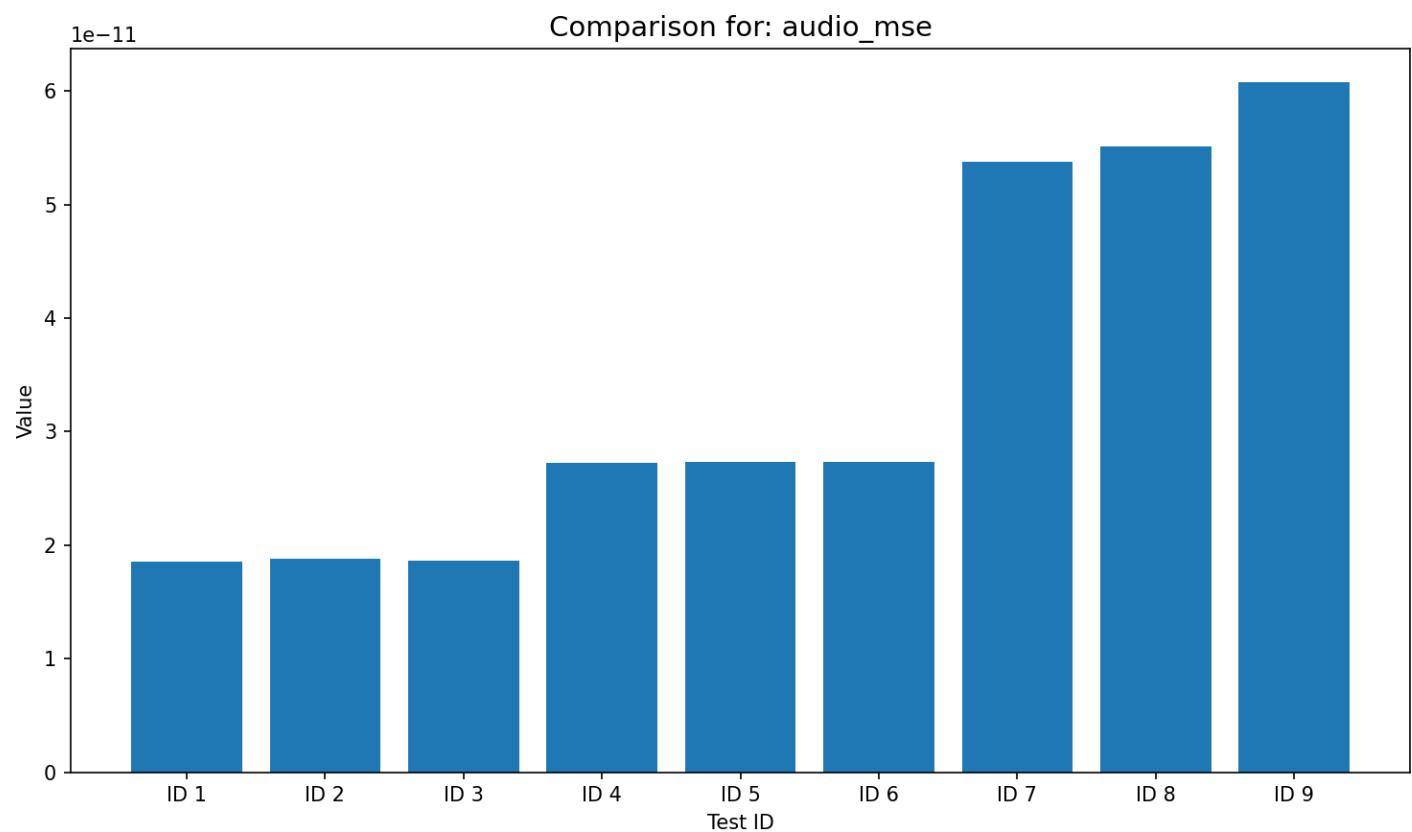
Comparison for: audio_psnr

**Chart for audio_snr**
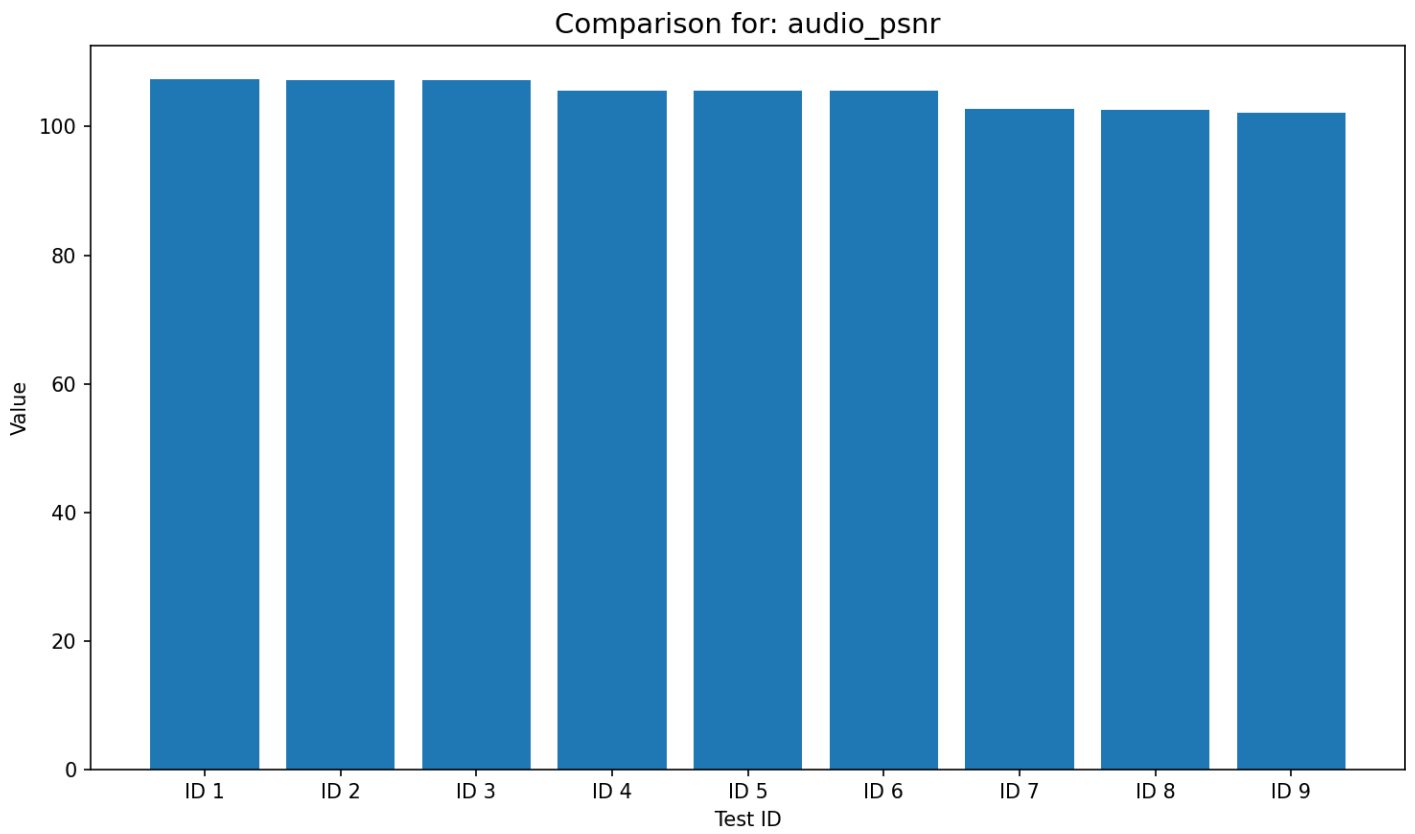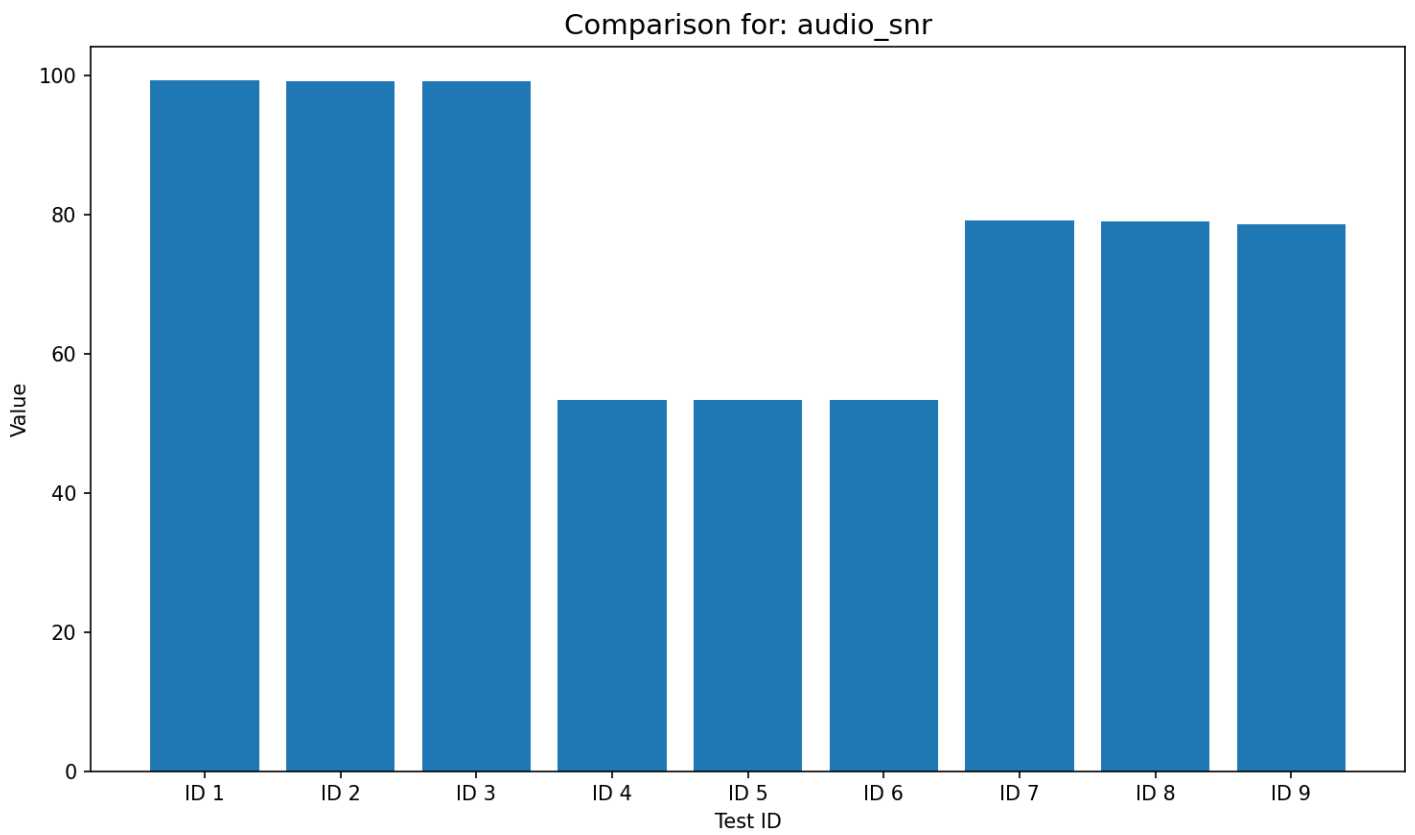


Comparison for: audio_snr

**Chart for image_ber**
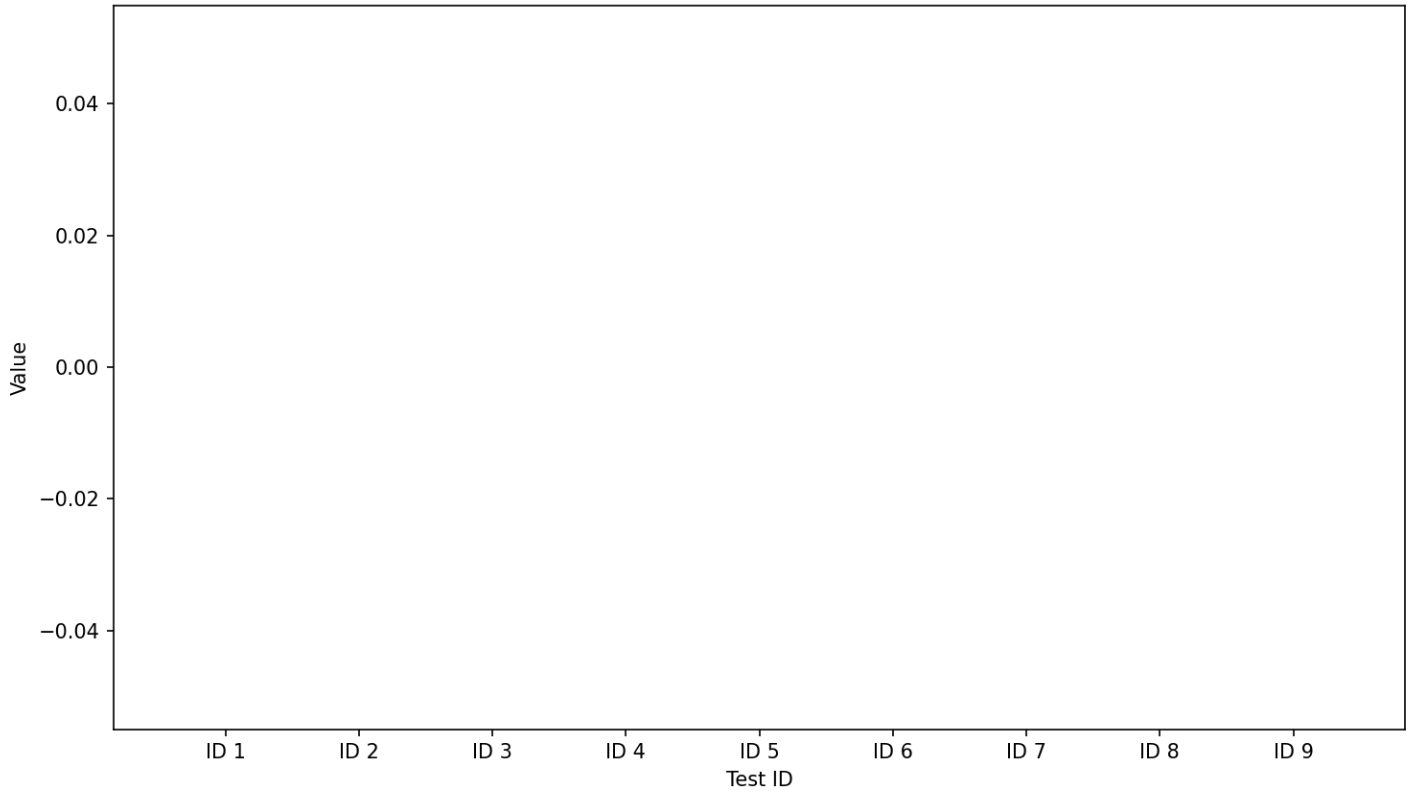
## Comparison for: image_ber



## Chart for image_mse
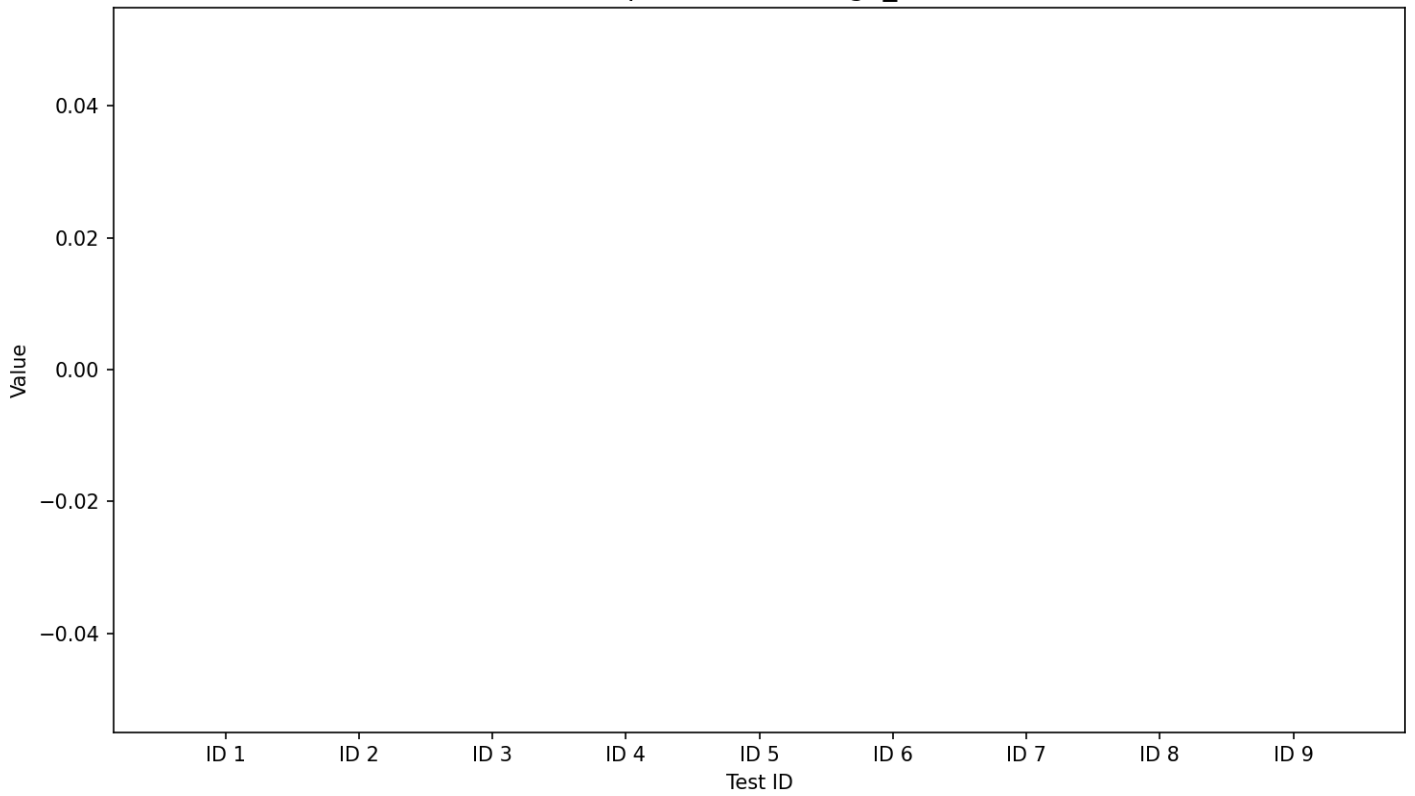
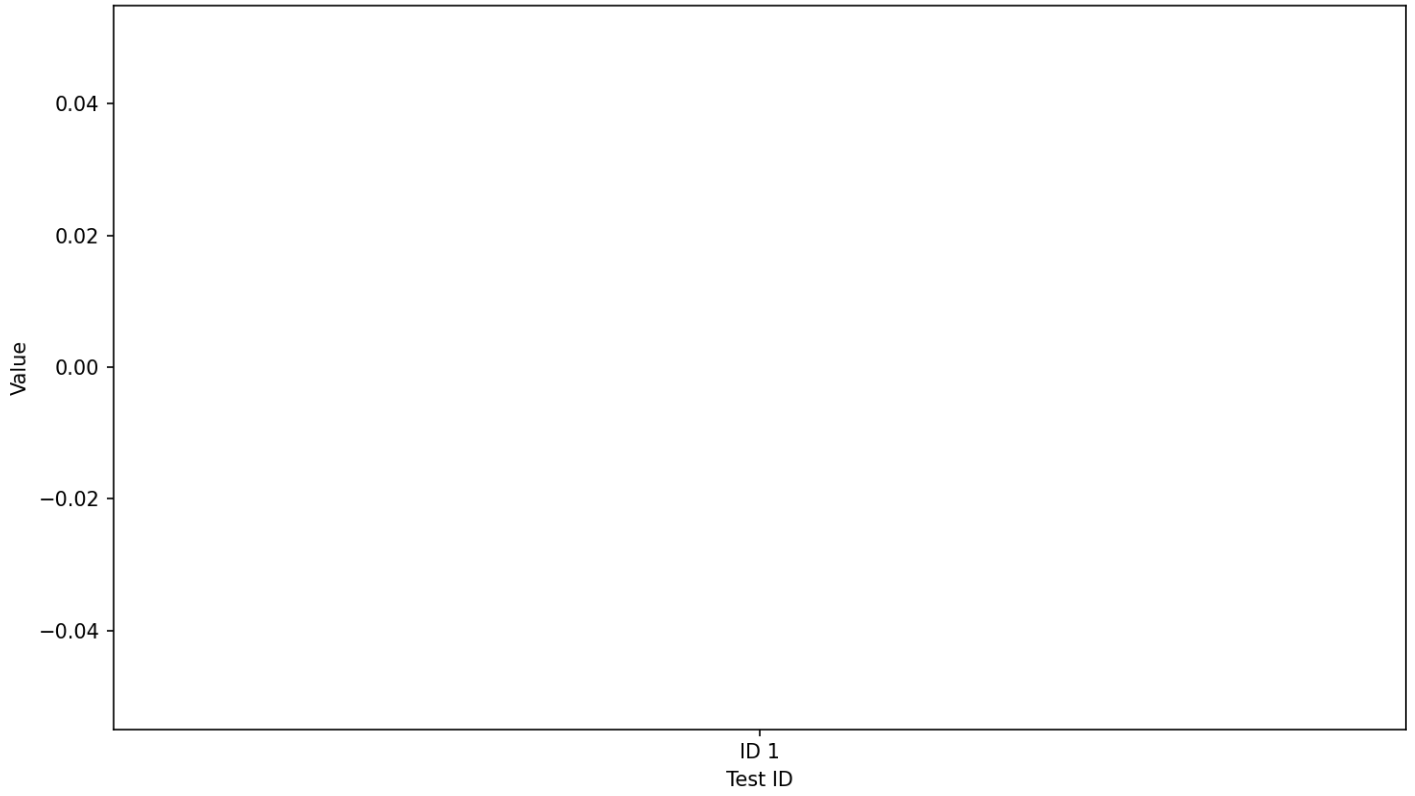## Comparison for: image_mse



## Chart for image_psnr

## Comparison for: image_psnr



## Chart for image_ssim

### Comparison for: image_ssim