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| **Joint Collaborative Team on 3D Video Coding Extension Development**  **of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11**  5th Meeting: Vienna, AT, 27 July – 2 Aug. 2013 | Document: JCT3V- E0201 |

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| --- | --- | --- | --- |
| *Title:* | **CE 5.h: Crosscheck on DMM simplification and signalling (JCT3V-E0146)** | | |
| *Status:* | Input Document | | |
| *Purpose:* | Proposal | | |
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| *Source:* | LG Electronics | | |

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# Abstract

This contribution reports a cross-check of Test2-D in JCT3V-E0146. Experiment results perfectly match with that provided in JCT3V-E0146.

# Results

Results for both CTC and AI are tested.

Table 1: performance comparison with HTM-7.0r1 (CTC)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | video 0 | video 1 | video 2 | video PSNR / video bitrate | video PSNR / total bitrate | synth PSNR / total bitrate | enc time | dec time |
| Balloons | 0.00% | 0.01% | 0.05% | 0.01% | -0.06% | 0.26% | 75.5% | 102.2% |
| Kendo | 0.00% | 0.10% | -0.06% | 0.02% | -0.03% | 0.24% | 96.8% | 101.7% |
| Newspaper\_CC | 0.00% | 0.04% | -0.08% | -0.01% | -0.08% | 0.17% | 72.2% | 102.4% |
| GT\_Fly | 0.00% | 0.38% | 0.23% | 0.05% | 0.05% | 0.05% | 96.8% | 101.5% |
| Poznan\_Hall2 | 0.00% | -0.01% | -0.16% | -0.05% | -0.07% | 0.06% | 80.3% | 102.5% |
| Poznan\_Street | 0.00% | -0.04% | 0.07% | 0.00% | -0.04% | 0.11% | 83.2% | 102.3% |
| Undo\_Dancer | 0.00% | -0.06% | 0.01% | -0.01% | 0.03% | 0.40% | 96.8% | 101.4% |
| 1024x768 | 0.00% | 0.05% | -0.03% | 0.01% | -0.06% | 0.22% | 81.5% | 102.1% |
| 1920x1088 | 0.00% | 0.07% | 0.04% | 0.00% | -0.01% | 0.15% | 89.3% | 101.9% |
| **average** | **0.00%** | **0.06%** | **0.01%** | **0.00%** | **-0.03%** | **0.18%** | **85.9%** | **102.0%** |

Table 2: performance comparison with HTM-7.0r1 (AI)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | video 0 | video 1 | video 2 | video PSNR / video bitrate | video PSNR / total bitrate | synth PSNR / total bitrate | enc time | dec time |
| Balloons | 0.00% | 0.00% | 0.00% | 0.00% | -0.02% | 0.25% | 80.1% | 87.4% |
| Kendo | 0.00% | 0.00% | 0.00% | 0.00% | -0.01% | 0.40% | 84.1% | 85.8% |
| Newspaper\_CC | 0.00% | 0.00% | 0.00% | 0.00% | 0.02% | 0.43% | 80.8% | 87.4% |
| GT\_Fly | 0.00% | 0.00% | 0.00% | 0.00% | 0.26% | 0.95% | 85.5% | 86.6% |
| Poznan\_Hall2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.01% | 0.23% | 86.9% | 85.6% |
| Poznan\_Street | 0.00% | 0.00% | 0.00% | 0.00% | 0.01% | 0.18% | 85.6% | 87.6% |
| Undo\_Dancer | 0.00% | 0.00% | 0.00% | 0.00% | 0.12% | 0.39% | 85.3% | 88.6% |
| 1024x768 | 0.00% | 0.00% | 0.00% | 0.00% | -0.01% | 0.36% | 81.7% | 86.9% |
| 1920x1088 | 0.00% | 0.00% | 0.00% | 0.00% | 0.10% | 0.43% | 85.8% | 87.1% |
| **average** | 0.00% | 0.00% | 0.00% | 0.00% | 0.05% | 0.40% | 84.0% | 87.0% |

# Conclusion

The result perfectly matches with JCT3V-E0146.