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Abstract

This contribution reports test results for EE2-2.5 on adaptive reordering of merge candidates (ARMC) with refined motion. In ARMC with refined motion, each merge candidate in the merge candidate list is refined using TM/multi-pass DMVR first and the refined motion will be used in ARMC to reorder the merge candidate list. When multi-pass DMVR is used to derive the refined motion, only the first pass (i.e., PU level) of multi-pass DMVR is applied in reordering. ARMC with refined motion is tested in Test #2.5a, while a simplified version is tested in Test #2.5b. On top of ECM-4.0, simulation results of EE2-2.5 are reported as below:

Test #2.5a:

RA: {-0.19%, -0.29%, -0.24%; 105%, 111%};

LDB: {-0.16%, -0.25%, -0.24%; 107%, 112%}.

Test #2.5b:

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ABSTRACT

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Associated Resources

Comments

ARCHIVE

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Archive

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XLS JVET-Z0058-Test2.xlsm

DOC JVET-Z0058.docx

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Y. Wang, K. Zhang, N. Zhang, Z. Deng, L. Zhang, "EE2-2.5: Adaptive reordering of merge candidates with refined motion", JVET-Z0058, 26th Meeting: by teleconference, April 2022.

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1. [Y. Wang, K. Zhang, N. Zhang, Z. Deng, L. Zhang, "Non-EE2: Adaptive re-ordering of merge candidates with refined motion", JVET-Y0151, 25th Meeting: by teleconference, January 2022.](#)

2. [M. Karczewicz, Y. Ye, "Common Test Conditions and evaluation procedures for enhanced compression tool testing", JVET-Y2017, 25th Meeting: by teleconference, January 2022.](#)

3. [V. Seregin, J. Chen, L. Li, K. Naser, J. Ström, M. Winken, X. Xiu, K. Zhang, "Exploration Experiment on Enhanced Compression beyond VVC capability \(EE2\)", JVET-Y2024, 25th Meeting: by teleconference, January 2022.](#)