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Title: Cross-check of JVET-J0090 Measurement result of memory bandwidth on HM

Status: Input document to JVET

Purpose: Proposal

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Source: Sharp

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Abstract

This contribution presents a cross-check result of JVET-J0090 Measurement result of memory bandwidth on HM. Specifically the test was done using CfP HM anchor bitstreams in SDR CS1 and CS2 categories. The cross-checker confirmed that the difference between results provided by proponent and the results generated by the cross-checker are all within a range of 0.01 % and 0.1% in terms of Hit rate and Required bandwidth respectively. That means “matched”.

It is noted that in the development of the measurement software, the cross-checker (Sharp) also contributes several fixes on the base software developed by the proponent (Renesas Electronics).

Crosscheck result

The test condition as shown in Table 1.

Table 1 cache configuration set

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CARD

<http://vexpertise.stbit.ru/documents/JVET-J0092>



https://jvet-experts.org/doc_end_user/current_document.php?id=3512



https://jvet-experts.org/doc_end_user/documents/10_San_Diego/wg11/JVET-J0092-v1.zip



http://vexpertise.stbit.ru/meeting-notes/source/meeting_10.j



REFERENCES

1. [R. Hashimoto, S. Mochizuki, "AHG5: Measurement result of memory bandwidth comparison with JEM and HM", JVET-J0090, 10th Meeting: San Diego, April 2018.](#)