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| *Title:* | **Crosscheck report for Samsung's JCTVC-F458 on CAVLC run coding** | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Information | | |
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# Abstract

This document contains cross check results for Samsung’s proposal on run mode coding (JCTVC-F458). The BD-rate results match, encoding and decoding results are similar.

# Objective Cross Check Results

Table 1 shows the BD-rate results and execution times for the two configurations compared to the HM3.0 anchor. The BD-rate results match those reported by the proponent in JCTVC-F458.

The encoding and decoding are performed on clusters with the same CPU types. Both the encoding time and the decoding times are similar to those reported in JCTVC- F458.

Table BD-rate results and execution timings

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | All Intra LC | | | Random Access LC | | | Low delay B LC | | |
| Y | U | V | Y | U | V | Y | U | V |
| Class A | -0.1 | -0.1 | 0.0 | -0.1 | 0.6 | 0.5 |  |  |  |
| Class B | -0.2 | -0.1 | -0.1 | -0.1 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 |
| Class C | -0.2 | -0.7 | -0.8 | -0.1 | -0.2 | -0.3 | 0.0 | -0.1 | -0.3 |
| Class D | -0.3 | -0.7 | -1.0 | -0.1 | -0.4 | -0.5 | -0.1 | 0.0 | -0.3 |
| Class E | -0.1 | 0.4 | 0.1 |  |  |  | 0.0 | 1.3 | -0.5 |
| **Overall** | **-0.2** | **-0.3** | **-0.4** | **-0.1** | **0.1** | **0.1** | **0.0** | **0.2** | **-0.3** |
| Enc Time[%] | 101% | | | 99% | | | 102% | | |
| Dec Time[%] | 98% | | | 101% | | | 100% | | |

Conclusion

The BD-rate results and execution times match those reported in JCTVC-F458.