|  |  |
| --- | --- |
| **Joint Collaborative Team on Video Coding (JCT-VC)**  **of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11**  6th Meeting: Torino, 14-22 July, 2011 | Document: JCTVC-F622 |

|  |  |  |  |
| --- | --- | --- | --- |
| *Title:* | **Crosscheck report for Samsung's JCTVC-F466 on CAVLC long codeword handling** | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Information | | |
| *Author(s) or Contact(s):* | Xianglin Wang  Liwei Guo  5775 Morehouse Dr San Diego, CA 92121 USA | Email: | [xianglin@qualcomm.com](mailto:xianglin@qualcomm.com)  [liweig@qualcomm.com](mailto:liweig@qualcomm.com) |
| *Source:* | Qualcomm Inc. | | |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Abstract

This document contains cross check results for Samsung’s proposal on run mode coding (JCTVC-F466). 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-F466.

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- F466.

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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |  |  |  |
| Class B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Class C | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Class D | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Class E | 0.0 | 0.0 | 0.0 |  |  |  | 0.0 | 0.0 | 0.0 |
| **Overall** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** |
| Enc Time[%] | 100% | | | 100% | | | 100% | | |
| Dec Time[%] | 97% | | | 99% | | | 102% | | |

# Conclusion

The BD-rate results and execution times match those reported in JCTVC-F466.