|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Joint Collaborative Team on Video Coding (JCT-VC)**  **of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11**  16th Meeting: San Jose, CA, 9 Jan. – 17 Jan. 2014 | Document: JCTVC-Oxxxx | | Document: JCTVC-P0244 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| *Title:* | **A cross-check report for JCTVC-P0113** | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Information | | |
| *Author(s) or Contact(s):* | Ankur Saxena and Felix Fernandes | Email: Tel: | [asaxena@sta.samsung.com](mailto:asaxena@sta.samsung.com),  [ffernandes@sta.samsung.com](mailto:ffernandes@sta.samsung.com)  1-972-761-7761 |
| *Source:* | Samsung Electronics, Co., Ltd. | | |

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

# Abstract

This contribution summarizes Samsung’s cross-check for JCTVC-P0113 run coding for palette mode. The simulation results (BD Rates and PSNR’s as verified by Samsung match closely with the results provided by the proponents in JCTVC-P0113.

# Introduction

JCTVC-P0113 [1] proposes run coding for palette mode. We cross-checked the method implemented on top of P-0198 for Limit\_Run, and on top of O-0218 for Adapt\_Rice\_Golomb\_Parameter+Limit\_Run only.

# Simulation Results

The test conditions as stipulated in common conditions for RCE 4 [2] for testing were followed for conducting the simulations.

## R-D Results

Detailed results are available in the attached Excel sheet. The BD Rates and PSNR’s for the tests matched with those provided by the proponents.

# Conclusions

We have cross-checked JCTVC-P0113, and verified the simulation results.

# References

1. G. Laroche, T. Poirier, C. Gisquet, P. Onno, “Non-RCE4: Run coding for Palette mode”, JCTVC-P0113, San Jose, USA, Jan 2014.
2. L. Guo, X. Guo and A. Saxena, “HEVC Range Extensions Core Experiment 4 (RCE 4): Palette coding for screen content”, JCTVC-O1124, Geneva, Switzerland, October 2013.