|  |  |
| --- | --- |
| **Joint Collaborative Team on Video Coding (JCT-VC)**  **of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11**  20th Meeting: Geneva, CH, 10–18 Feb. 2015 | Document: JCTVC-T0148 |

|  |  |  |  |
| --- | --- | --- | --- |
| *Title:* | **CE3: Cross-verification of Test A.1 on intra line copy** | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Information | | |
| *Author(s) or Contact(s):* | Xiaoyu Xiu, Yuwen He, Yan Ye 9710 Scranton Rd, #250 San Diego, CA 92121, USA | Tel: Email: | + 1-858-210-4830 [Xiaoyu.Xiu@InterDigital.com](mailto:Xiaoyu.Xiu@InterDigital.com)  Yuwen.He@InterDigital.com  [Yan.Ye@InterDigital.com](mailto:Yan.Ye@InterDigital.com) |
| *Source:* | InterDigital Communications, LLC | | |

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

# Abstract

This document presents the cross-verification results of CE3 Test A.1 on intra line copy under the search range of full frame for 4x8, 8x8, 16x16, and 32x32 IntraBC PUs, 2 CTUs for 4x4 and 8x4 IntraBC PUs and 2 CTUs for IntraLC PUs. It is verified that the implementation is consistent with the algorithm described in the contribution document and all simulation results exactly match that provided by the proponent.

# Introduction

In CE3 Test A (JCTVC-T0105), the intra line copy (ILC) mode is tested under the full-frame configuration. In Test A.1 full frame search is 4x8, 8x8, 16x16 and 32x32 IntraBC PUs; local 2 CTU search range is applied for 4x4 and 8x4 IntraBC PUs, and intraLC PUs.

# Results

It is verified that the software implementation is consistent with the algorithm described in JCTVC-T0105 and all simulation results exactly match that provided by the proponent. The detailed simulation results can be found in the attached spreadsheets.

# References

1. R.-L. Liao, [C.-C. Chen](mailto:cheerchen.cs98g@g2.nctu.edu.tw), [W.-H. Peng](mailto:wpeng@cs.nctu.edu.tw), H.-M. Hang, CE3: Results of Test A on Intra Line Copy, JCTVC-T0105, Feb. 2015, Geneva, Switzerland.