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**ISO/IEC JTC1/SC29/WG11**

**CODING OF MOVING PICTURES AND AUDIO**

**ISO/IEC JTC1/SC29/WG11 MPEG2019/m52426**

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| **Source** | **InterDigital** |
| **Status** | **Input Contribution** |
| **Title** | **[VPCC][software] On coding tools performance** |
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# Introduction

This contribution presents the results in term of performance and of complexity of the tested configurations (presented in m52422). This study gives a status on the codec performance for the evaluated tools as described in m52422.

# Results

Here are the results coming from all running configurations listed m52422. Each graph shows metrics (Point, Plan, Y) regarding the complexity on the decoder side.

For each graph, the orange boxes are the profile Basic.Rec0 as defined in DIS (LC1\_GS0 and LC2\_GS0) and in a green box, the anchor as defined in the CTC.

## One Layer configuration

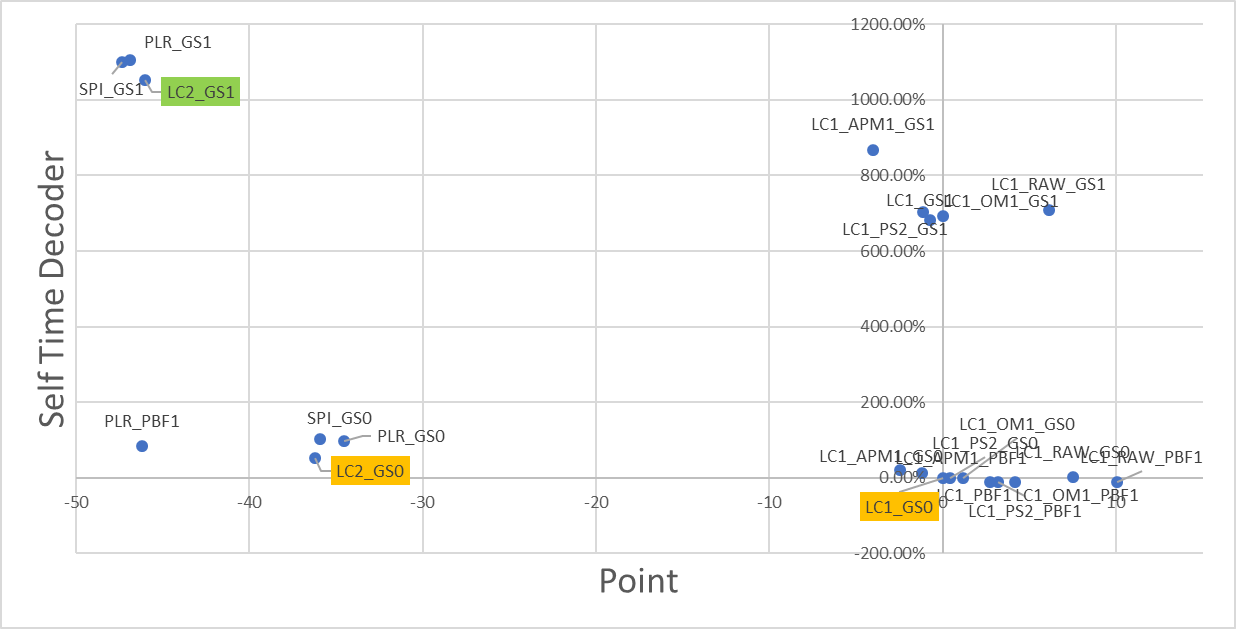


Figure 1 Point metric versus decoder complexity with reference one layer GS0 32 frames

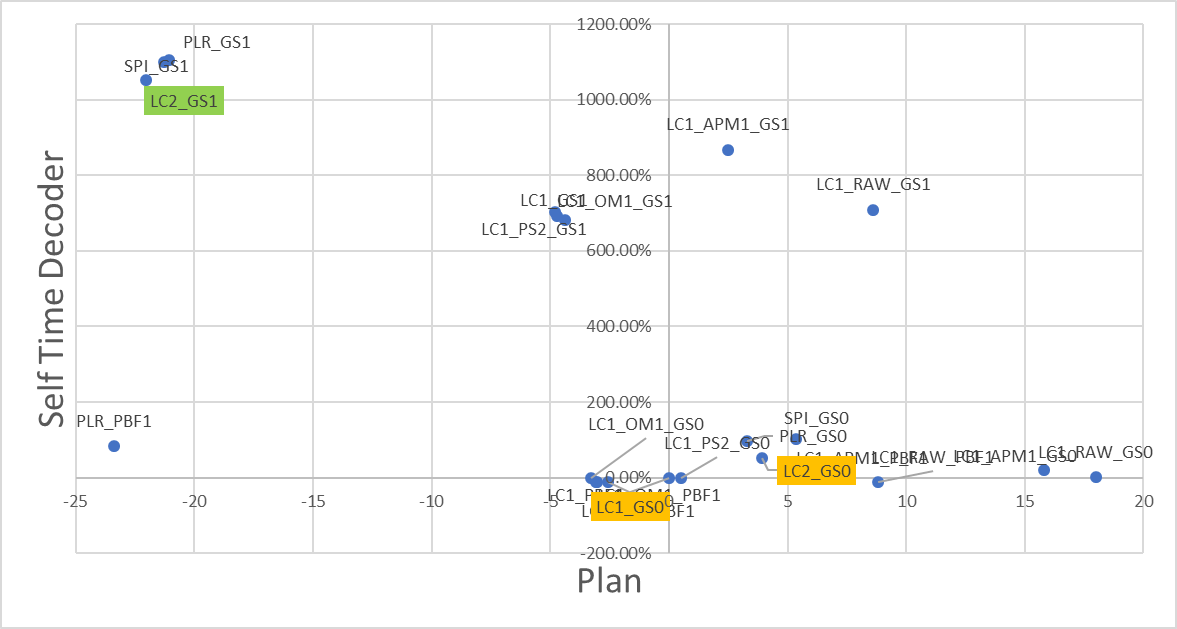
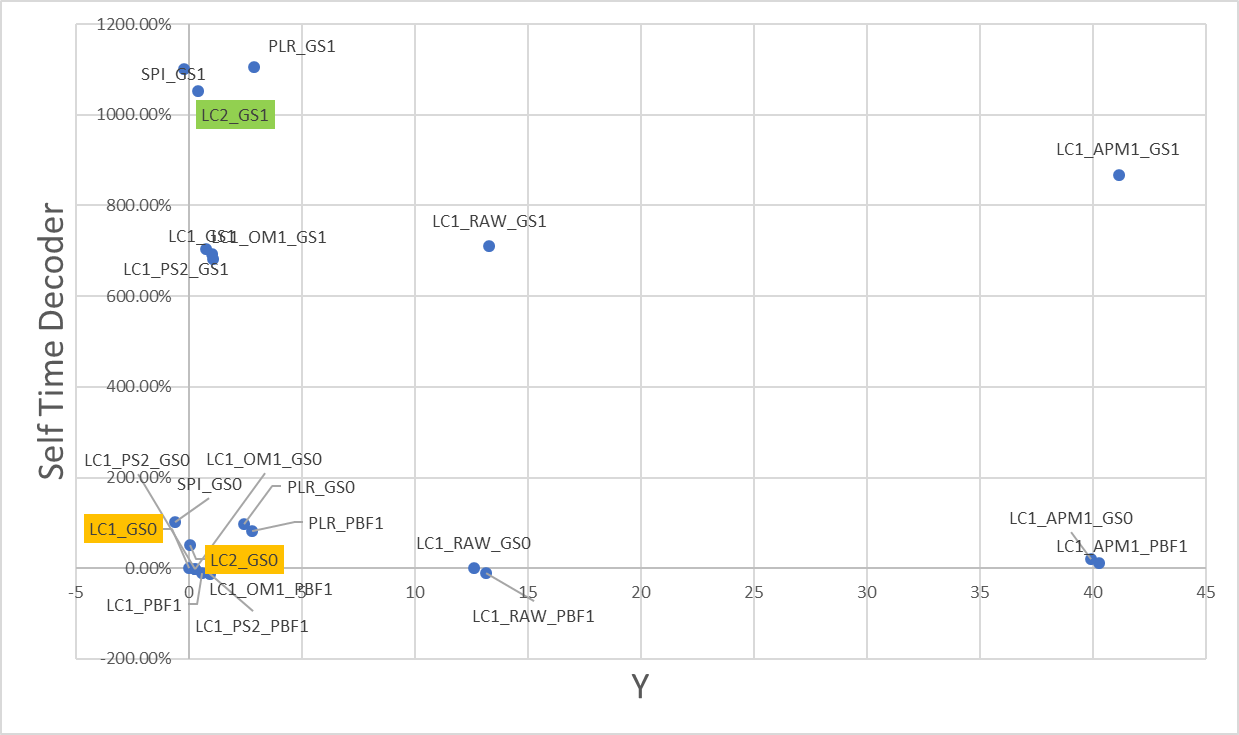


Figure 2 Plan metric versus decoder complexity with reference one layer GS0 32 frames

Figure 3 Y metric versus decoder complexity with reference one layer GS0 32 frames

## Two Layer configuration

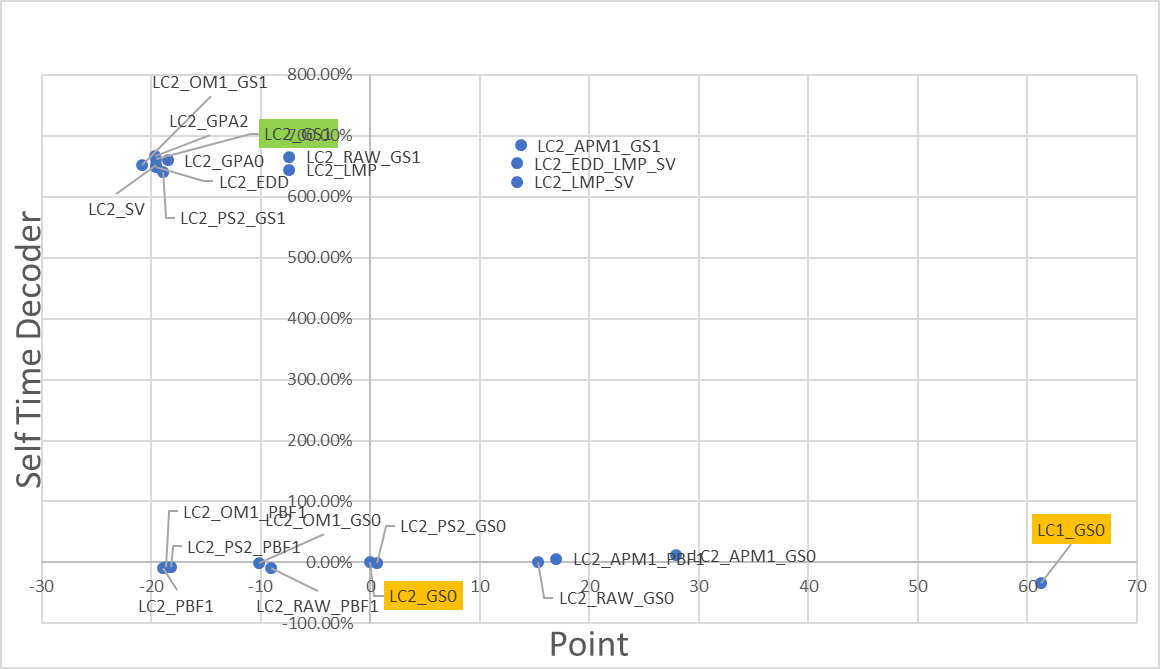


Figure 4 Point metric versus decoder complexity with reference two layer GS0 32 frames

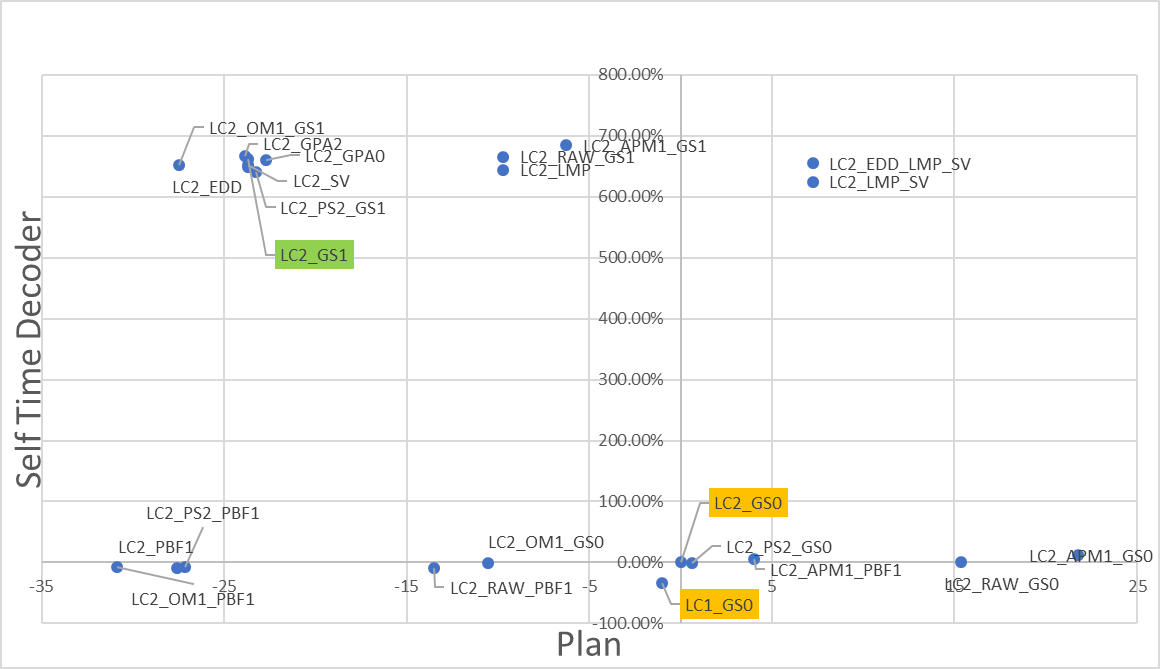


Figure 5 Plan metric versus decoder complexity with reference two layer GS0 32 frames

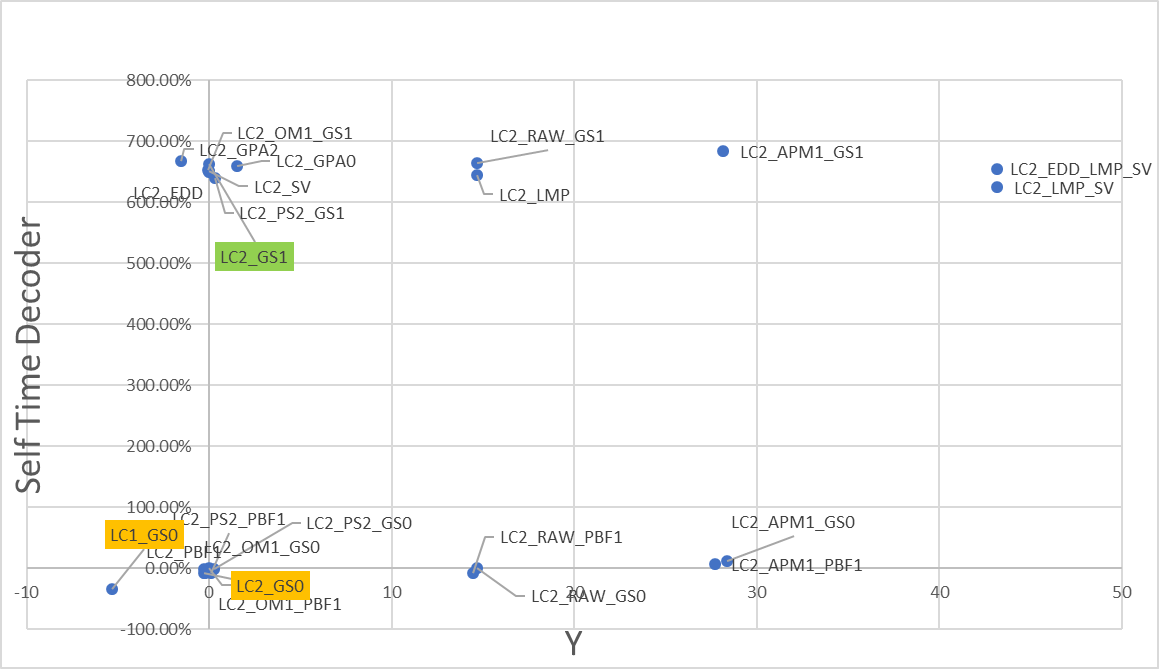


Figure 6 Y metric versus decoder complexity with reference two layer GS0 32 frames

# References

[[w18474](http://wg11.sc29.org/doc_end_user/current_document.php?id=68039&id_meeting=178)] Common Test Conditions for PCC, Genova, Switzerland, April 2019, ISO/IEC JTC1/SC29 WG11.

[[w18475](http://wg11.sc29.org/doc_end_user/current_document.php?id=68040&id_meeting=178)] V-PCC Test Model v8, Genova, Switzerland, October 2019, ISO/IEC JTC1/SC29 WG11.

[[m52422](http://wg11.sc29.org/doc_end_user/current_document.php?id=72864&id_meeting=181)] [VPCC][software] TMC2 Software v8.1: improvements and evaluations, January 2020, Brussels, Belgium, ISO/IEC JTC1/SC29/WG11.