



# TekExpress HDM

## Source Test Report

| Setup Information       |                                 |                         |               |
|-------------------------|---------------------------------|-------------------------|---------------|
| DUT ID                  | DUT001                          | Scope Model             | DPO71604C     |
| Date/Time               | 2019-02-23 09:12:55             | Scope Serial Number     | B110695       |
| Device Type             | HDM Physical Layer Solution     | SPC, FactoryCalibration | PASS;PASS     |
| TekExpress Version      | HDM:3.0.1.23 Framework:3.0.2.96 | Scope F/W Version       | 7.6.0 Build 7 |
| Spec Version            | CTS 2.0                         | DPOJET Version          | 7.1.2.38      |
| Overall Compliance Mode | Yes                             | Probe1 Model            | P7313SMA      |
| Execution Mode          | Live                            | Probe1 Serial Number    | B022381       |
| Overall Execution Time  | 0:04:01                         | Probe2 Model            | P7313SMA      |
| Overall Test Result     | Pass                            | Probe2 Serial Number    | B022380       |
|                         |                                 | Probe3 Model            | P7313SMA      |
|                         |                                 | Probe3 Serial Number    | B020646       |
|                         |                                 | Probe4 Model            | P7313SMA      |
|                         |                                 | Probe4 Serial Number    | B021133       |
| DUT COMMENT:            | General Comment – HDM2.0 Source |                         |               |

| Test Name Summary Table                     |        |                |
|---------------------------------------------|--------|----------------|
| Test Name                                   | Result | Execution Time |
| <a href="#">HF1-5- Differential Voltage</a> | Pass   | 0:03:47        |

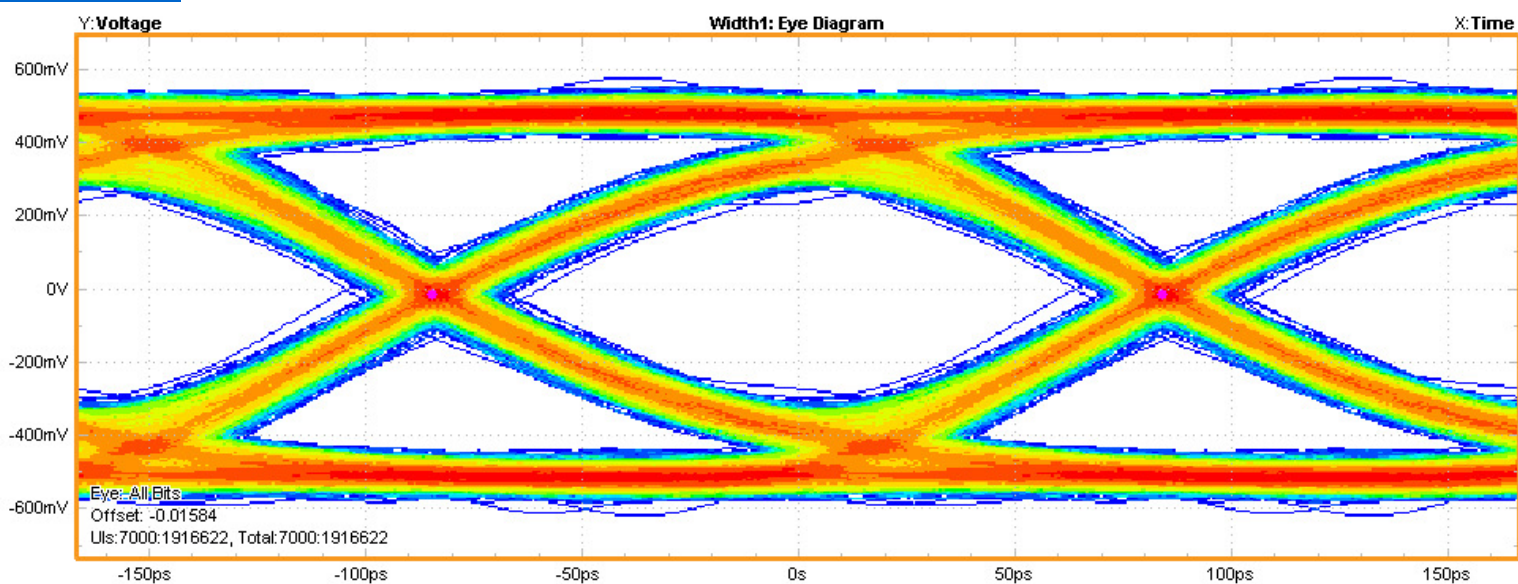
| HF1-5- Differential Voltage |                                    |                |       |             |           |             |          |           |            |          |
|-----------------------------|------------------------------------|----------------|-------|-------------|-----------|-------------|----------|-----------|------------|----------|
| Lane Name                   | Measurement Details                | Measured Value | Units | TBit        | Data Rate | Test Result | Margin   | Low Limit | High Limit | Comments |
| <a href="#">Clock</a>       | Clock Minimum Differential Voltage | -380.0000      | mV    | 168.5186 ps | 5.94 Gbps | Pass        | 400.0000 | -780.0000 | -          |          |
| <a href="#">Clock</a>       | Clock Maximum Differential Voltage | 365.0000       | mV    | 168.5186 ps | 5.94 Gbps | Pass        | 415.0000 | -         | 780.0000   |          |
| <a href="#">D0</a>          | D0 Minimum Differential Voltage    | -612.4800      | mV    | 168.5186 ps | 5.94 Gbps | Pass        | 167.5200 | -780.0000 | -          |          |
| <a href="#">D0</a>          | D0 Maximum Differential Voltage    | 575.5200       | mV    | 168.5186 ps | 5.94 Gbps | Pass        | 204.4800 | -         | 780.0000   |          |
| <a href="#">D0</a>          | D0 Data Jitter                     | 43.8144        | ps    | 168.5186 ps | 5.94 Gbps | Informative | N.A      | N.A       | N.A        |          |
| <a href="#">D0</a>          | D0 Data Jitter                     | 0.2600         | TBit  | 168.5186 ps | 5.94 Gbps | Informative | N.A      | N.A       | N.A        |          |
| <a href="#">D1</a>          | D1 Minimum Differential Voltage    | -607.8400      | mV    | 168.5186 ps | 5.94 Gbps | Pass        | 172.1600 | -780.0000 | -          |          |
| <a href="#">D1</a>          | D1 Maximum Differential Voltage    | 581.6400       | mV    | 168.5186 ps | 5.94 Gbps | Pass        | 198.3600 | -         | 780.0000   |          |
|                             | D1 Data                            |                |       |             |           |             |          |           |            |          |

|                    |                                 |           |      |             |           |             |          |           |          |  |
|--------------------|---------------------------------|-----------|------|-------------|-----------|-------------|----------|-----------|----------|--|
| <a href="#">D1</a> | Jitter                          | 45.7177   | ps   | 168.5186 ps | 5.94 Gbps | Informative | N.A      | N.A       | N.A      |  |
| <a href="#">D1</a> | D1 Data Jitter                  | 0.2713    | TBit | 168.5186 ps | 5.94 Gbps | Informative | N.A      | N.A       | N.A      |  |
| <a href="#">D2</a> | D2 Minimum Differential Voltage | -515.0000 | mV   | 168.5186 ps | 5.94 Gbps | Pass        | 265.0000 | -780.0000 | -        |  |
| <a href="#">D2</a> | D2 Maximum Differential Voltage | 590.0000  | mV   | 168.5186 ps | 5.94 Gbps | Pass        | 190.0000 | -         | 780.0000 |  |
| <a href="#">D2</a> | D2 Data Jitter                  | 44.5098   | ps   | 168.5186 ps | 5.94 Gbps | Informative | N.A      | N.A       | N.A      |  |
| <a href="#">D2</a> | D2 Data Jitter                  | 0.2641    | TBit | 168.5186 ps | 5.94 Gbps | Informative | N.A      | N.A       | N.A      |  |
| COMMENTS           |                                 |           |      |             |           |             |          |           |          |  |

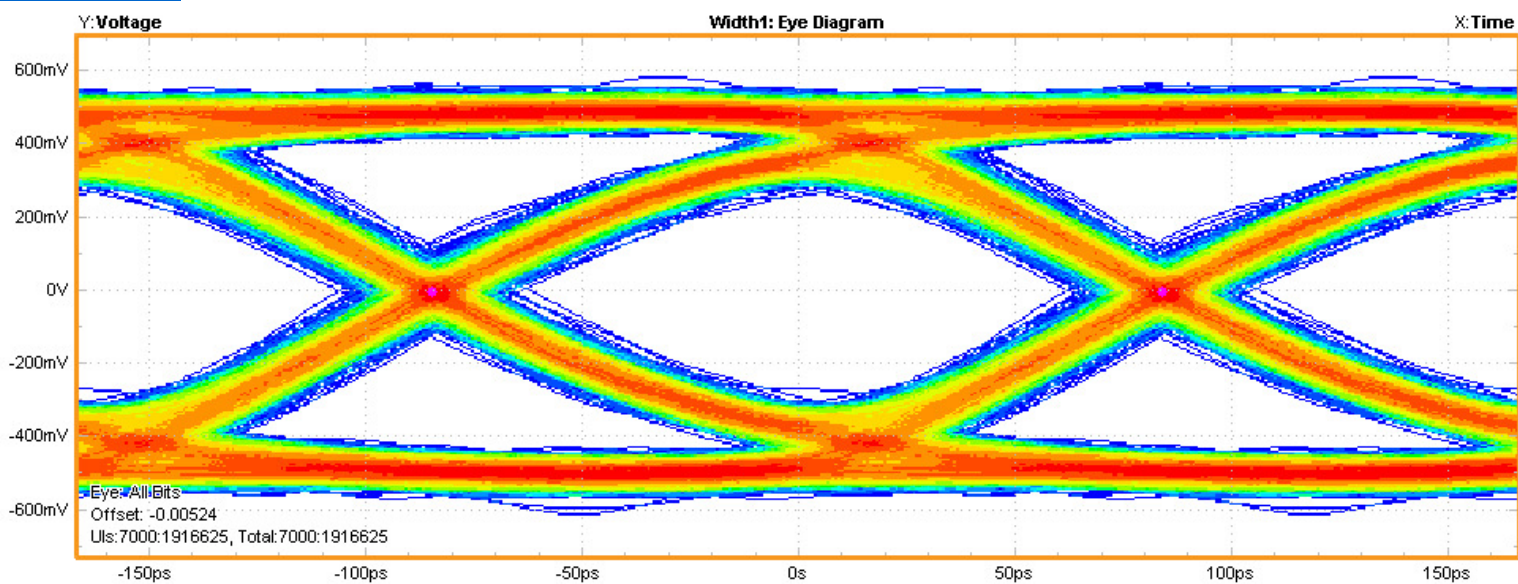
[Back to Summary Table](#)

### HF1-5- Differential Voltage

#### [TP1 EyeDiagram- D0](#)



#### [TP1 EyeDiagram- D1](#)



#### [TP1 EyeDiagram- D2](#)

