

Test Report for VESA Display HDR

Company Name : Top Victory Investments Limited

Model Name : PD27

Display HDR Tier : 400

Test Start Date : 06/08/2020

Report Date : 06/23/2020

Test Result : Pass

Notice:

Test result is valid only to the original tested device model. Allion reserves the right to prohibit others to distort, isolate, falsify, copied and/or by any process to change the content of this test report unless it is prior approved by Allion.



Company

Company Name: Top Victory Investments Limited

Company Address: 10.,No.230.LianChen Rd., zhonghe City, Taipei County 23553 Taiwan

Contact

Name: Daniel Lin

Phone Number: +886-2-8226-1668 ext. 2094

E-Mail: Daniel.Lin@tpv-tech.com

Product Information:

Target HDR Tier: 400

Provided DUT Information Form: Yes No

Display Firmware Version: V001

Panel Driver IC model name: DB6T8990

Panel Driver IC FW: N/A

HDR mode OSD settings: OSD menu -> Image Setup -> HDR -> Display HDR

DP Certificaion status: Yes / No

*** This is a required field, the test project will be held until the information provided. ***

Version of Test Specification: Ver 1.1, 29 Aug, 2019

Test interface port: DP1, DP2, HDMI 1, HDMI 2

All external inputs: DP x2, HDMI x2

Tester: Karen Chen

Authorized Signature: Lexus Lee

Overall Test Result: Pass

Project ID: MOR-AOC-VSH-071
Document Number : VSH-RPT-002



Certified Product Website Posting Information

If this section is left blank, device(s) will not be posted publicly on the VESA site(s).

At a later date, you may choose to send a copy of your certification and this information to moderator@vesa.org for posting.

If you would like the product listing to hyperlink to an associated product page but do not currently know the URL, you may send the URL at a later date to moderator@vesa.org.

Exact product name(s) to be listed:	
Date which the certified product listing should appear on the VESA site(s) [DD/MM/YYYY]	
Product URL to be hyperlinked to the certified product listing (if known)	
<i>In order to be listed, the company must be a current member of VESA and have executed a Trademark License Agreement.</i>	



Test Equipment for Display HDR

Model Name	Type	Manufacture	Comment
CA-310	Spectroradiometer	Konica Minolta	Last date of calibration: Jul. 30, 2019
K10-A	Light Measurement Device	Klein	
Intel UHD Graphics 630	Graphcis Card	Intel	Driver Ver. 26.20.100.8187
Windows 10x64	System OS	Microsoft	Ver 1909, Build 18363.535
DPM Tool	Pattern tool	VESA	Ver 1.10

Summary of Test Result

Test ID	DP1	DP2	HDMI1	HDMI2
5.1.1 Minimum-white Luminance– 10% Center Patch Test	Pass	Pass	Pass	Pass
5.1.2 Minimum-white Luminance– Full-screen Flash Test	Pass	Pass	Pass	Pass
5.1.3 Minimum-white Luminance– Full-screen Long - duration Test	Pass	Pass	Pass	Pass
5.2.1 Dual Corner Box Test– Black-level Test	Pass	Pass	Pass	Pass
5.2.2 Checkerboard tests– Black-level Test	Pass	Pass	Pass	Pass
6.1 Color Gamut Specifications	Pass	Pass	Pass	Pass
7.1 Bit-depth Specification	Pass	Pass	Pass	Pass
8.3 Rise-time	Pass	Pass	Pass	Pass
9.3 Luminance and White Point Accuracy	Pass	Pass	Pass	Pass



Test Results-HDR 400 Port : DP1 2560x1440 60 Hz RGB

ID	Pass / Fail	Comment or Value																																																												
5.1.1 Minimum-white Luminance- 10% Center Patch Test	Pass	Minimum of all samples: 424.12 nits Maximum range between high and low <10% : #### Detailed Measured Value <table border="1"> <tr><td>1</td><td>424.12</td><td>16</td><td>462.65</td></tr> <tr><td>2</td><td>468.48</td><td>17</td><td>462.34</td></tr> <tr><td>3</td><td>467.93</td><td>18</td><td>462.00</td></tr> <tr><td>4</td><td>467.31</td><td>19</td><td>461.75</td></tr> <tr><td>5</td><td>466.81</td><td>20</td><td>461.51</td></tr> <tr><td>6</td><td>466.38</td><td>21</td><td>461.33</td></tr> <tr><td>7</td><td>465.80</td><td>22</td><td>461.10</td></tr> <tr><td>8</td><td>465.45</td><td>23</td><td>460.81</td></tr> <tr><td>9</td><td>464.98</td><td>24</td><td>460.60</td></tr> <tr><td>10</td><td>464.57</td><td>25</td><td>460.36</td></tr> <tr><td>11</td><td>464.27</td><td>26</td><td>460.17</td></tr> <tr><td>12</td><td>463.92</td><td>27</td><td>460.01</td></tr> <tr><td>13</td><td>463.56</td><td>28</td><td>459.83</td></tr> <tr><td>14</td><td>463.26</td><td>29</td><td>459.61</td></tr> <tr><td>15</td><td>462.91</td><td>30</td><td>459.41</td></tr> </table> Criteria: Please refer to P.30 of VESA Display HDR CTS Ver 1.1 for details.	1	424.12	16	462.65	2	468.48	17	462.34	3	467.93	18	462.00	4	467.31	19	461.75	5	466.81	20	461.51	6	466.38	21	461.33	7	465.80	22	461.10	8	465.45	23	460.81	9	464.98	24	460.60	10	464.57	25	460.36	11	464.27	26	460.17	12	463.92	27	460.01	13	463.56	28	459.83	14	463.26	29	459.61	15	462.91	30	459.41
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5.1.2 Minimum-white Luminance- Full-screen Flash Test	Pass	Minimum of all samples: 474.17 nits Detailed Measured Value <table border="1"> <tr><td>1</td><td>475.70</td></tr> <tr><td>2</td><td>475.55</td></tr> <tr><td>3</td><td>474.67</td></tr> <tr><td>4</td><td>475.05</td></tr> <tr><td>5</td><td>474.17</td></tr> </table> Criteria: Please refer to P.31 of VESA Display HDR CTS Ver 1.1 for details.	1	475.70	2	475.55	3	474.67	4	475.05	5	474.17																																																		
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ID	Pass / Fail	Comment or Value																																																												
5.1.3 Minimum-white Luminance– Full-screen Long-duration Test	Pass	<p>Minimum of all samples: 461.55 nits</p> <p>Detailed Measured Value</p> <table border="1"> <tr><td>1</td><td>463.46</td><td>16</td><td>465.23</td></tr> <tr><td>2</td><td>471.67</td><td>17</td><td>464.86</td></tr> <tr><td>3</td><td>470.90</td><td>18</td><td>464.64</td></tr> <tr><td>4</td><td>470.28</td><td>19</td><td>464.32</td></tr> <tr><td>5</td><td>469.69</td><td>20</td><td>464.00</td></tr> <tr><td>6</td><td>469.23</td><td>21</td><td>463.74</td></tr> <tr><td>7</td><td>468.66</td><td>22</td><td>463.47</td></tr> <tr><td>8</td><td>468.17</td><td>23</td><td>463.17</td></tr> <tr><td>9</td><td>467.77</td><td>24</td><td>463.02</td></tr> <tr><td>10</td><td>467.33</td><td>25</td><td>462.72</td></tr> <tr><td>11</td><td>466.90</td><td>26</td><td>462.42</td></tr> <tr><td>12</td><td>466.57</td><td>27</td><td>462.19</td></tr> <tr><td>13</td><td>466.21</td><td>28</td><td>461.94</td></tr> <tr><td>14</td><td>465.86</td><td>29</td><td>461.72</td></tr> <tr><td>15</td><td>465.54</td><td>30</td><td>461.55</td></tr> </table> <p>Criteria: Please refer to P.32 of VESA display HDR CTS Ver 1.1 for details.</p>	1	463.46	16	465.23	2	471.67	17	464.86	3	470.90	18	464.64	4	470.28	19	464.32	5	469.69	20	464.00	6	469.23	21	463.74	7	468.66	22	463.47	8	468.17	23	463.17	9	467.77	24	463.02	10	467.33	25	462.72	11	466.90	26	462.42	12	466.57	27	462.19	13	466.21	28	461.94	14	465.86	29	461.72	15	465.54	30	461.55
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14	465.86	29	461.72																																																											
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5.2.1 Dual Corner Box Test Black-level Test	Pass	<p>Screen center value: 0.1190 nits White corners value: 394.99 nits</p> <p>Detailed Measured Value</p> <table border="1"> <tr><td>Center</td><td>0.119</td></tr> <tr><td>Left</td><td>395</td></tr> <tr><td>Right</td><td>395.8</td></tr> </table> <p>Criteria: Please refer to P.34 of VESA Display HDR CTS Ver 1.1 for details.</p>	Center	0.119	Left	395	Right	395.8																																																						
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ID	Pass / Fail	Comment or Value																												
5.2.2 Checkerboard tests Black-level Test	Pass	<p>Active Dimming Stops Required at 50 cd/m² : 14.62</p> <p>Active Dimming Stops Required at 5 cd/m² : 14.62</p> <p><i>Detailed Measured Value</i></p> <p>Active Dimming at 50 cd/m² :</p> <table border="1"> <tr><td>Top White</td><td>53.50</td></tr> <tr><td>Bottom White</td><td>50.10</td></tr> <tr><td>Top Black</td><td>0.0177</td></tr> <tr><td>Bottom Black</td><td>0.0191</td></tr> </table> <p>Active Dimming at 5 cd/m² :</p> <table border="1"> <tr><td>Top White</td><td>5.61</td></tr> <tr><td>Bottom White</td><td>4.95</td></tr> <tr><td>Top Black</td><td>0.0186</td></tr> <tr><td>Bottom Black</td><td>0.0183</td></tr> </table> <p>Criteria: Please refer to P.39 of VESA Display HDR CTS Ver 1.1 for details.</p>	Top White	53.50	Bottom White	50.10	Top Black	0.0177	Bottom Black	0.0191	Top White	5.61	Bottom White	4.95	Top Black	0.0186	Bottom Black	0.0183												
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Bottom Black	0.0183																													
6.1 Color Gamut Specifications	Pass	<p>10% Patch Color Luminance Sum: 404.5 nits BT.709 Coverage u'v' : 100% DCI-P3 Coverage u'v' : 93.2%</p> <table border="1"> <thead> <tr><th></th><th>x</th><th>y</th><th>Luminance</th></tr> </thead> <tbody> <tr><td>Red</td><td>0.6765</td><td>0.2974</td><td>68.46</td></tr> <tr><td>Green</td><td>0.2824</td><td>0.6362</td><td>301.49</td></tr> <tr><td>Blue</td><td>0.1495</td><td>0.0598</td><td>34.54</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th></th><th>u'</th><th>v'</th></tr> </thead> <tbody> <tr><td>Red</td><td>0.51881</td><td>0.51317</td></tr> <tr><td>Green</td><td>0.11218</td><td>0.56862</td></tr> <tr><td>Blue</td><td>0.17493</td><td>0.15743</td></tr> </tbody> </table> <p>Full Screen Color Luminance Sum: 401.3 nits BT.709 Coverage u'v' : 100% DCI-P3 Coverage u'v' : 93.1%</p>		x	y	Luminance	Red	0.6765	0.2974	68.46	Green	0.2824	0.6362	301.49	Blue	0.1495	0.0598	34.54		u'	v'	Red	0.51881	0.51317	Green	0.11218	0.56862	Blue	0.17493	0.15743
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6.1 Color Gamut Specifications		<p>Full Screen Color detail value</p> <table border="1"> <thead> <tr> <th></th> <th>x</th> <th>y</th> <th>Luminance</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>0.6761</td> <td>0.2971</td> <td>65.01</td> </tr> <tr> <td>Green</td> <td>0.2824</td> <td>0.6362</td> <td>301.76</td> </tr> <tr> <td>Blue</td> <td>0.1495</td> <td>0.0598</td> <td>34.58</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th></th> <th>u'</th> <th>v'</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>0.51878</td> <td>0.51293</td> </tr> <tr> <td>Green</td> <td>0.11218</td> <td>0.56862</td> </tr> <tr> <td>Blue</td> <td>0.17493</td> <td>0.15743</td> </tr> </tbody> </table> <p>Please refer to P.9 of report for coverage picture.</p> <p>Criteria: Please refer to P.40 of VESA Display HDR CTS Ver 1.1 for details.</p>		x	y	Luminance	Red	0.6761	0.2971	65.01	Green	0.2824	0.6362	301.76	Blue	0.1495	0.0598	34.58		u'	v'	Red	0.51878	0.51293	Green	0.11218	0.56862	Blue	0.17493	0.15743
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7.1 Bit-depth Specification	Pass	<p>Driver IC Display Claims (Min) 8 bits</p> <p>Criteria: Please refer to P.44 of VESA Display HDR CTS Ver 1.1 for details.</p>																												
8.3 Rise-time Specifications	Pass	<p>Rise Time (Max) at 60 refresh rate(Hz): 42 ms Measuring 5 sequential rises.</p> <table border="1"> <tbody> <tr><td>1</td><td>42</td></tr> <tr><td>2</td><td>42</td></tr> <tr><td>3</td><td>42</td></tr> <tr><td>4</td><td>42</td></tr> <tr><td>5</td><td>42</td></tr> </tbody> </table> <p>Criteria: Please refer to P.48 of VESA Display HDR CTS Ver 1.1 for details.</p>	1	42	2	42	3	42	4	42	5	42																		
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3	42																													
4	42																													
5	42																													

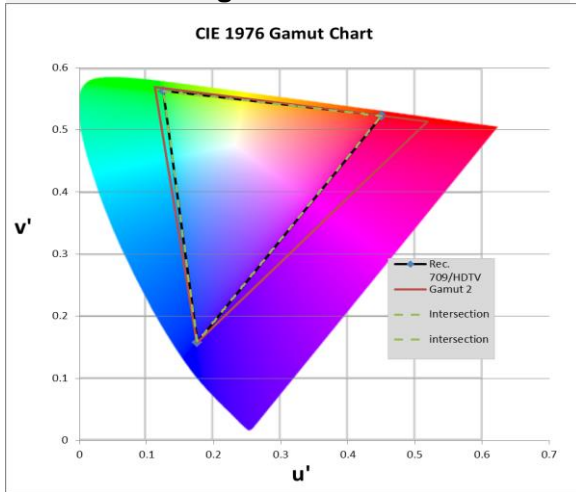


ID	Pass / Fail	Comment or Value																														
9.3 Luminance and White Point Accuracy	Pass	<p>Delta-ITP Value</p> <table border="1"> <tr><td>5.172 cd/m2</td><td>3.3</td></tr> <tr><td>14.958 cd/m2</td><td>4.4</td></tr> <tr><td>50.825 cd/m2</td><td>5.3</td></tr> <tr><td>100.23 cd/m2</td><td>3.6</td></tr> <tr><td>199.15 cd/m2</td><td>5.9</td></tr> <tr><td>50% of Tier Level Maximum</td><td>N/A</td></tr> </table> <p>Detailed Measured Value</p> <table border="1"> <thead> <tr><th>x</th><th>y</th><th>Y</th></tr> </thead> <tbody> <tr><td>0.3086</td><td>0.3209</td><td>4.92</td></tr> <tr><td>0.3103</td><td>0.3207</td><td>14.08</td></tr> <tr><td>0.3117</td><td>0.3212</td><td>47.55</td></tr> <tr><td>0.3123</td><td>0.3217</td><td>97.75</td></tr> <tr><td>0.3108</td><td>0.3221</td><td>212.82</td></tr> </tbody> </table> <p>Criteria: Please refer to P.52 of VESA Display HDR CTS Ver 1.1 for details.</p>	5.172 cd/m2	3.3	14.958 cd/m2	4.4	50.825 cd/m2	5.3	100.23 cd/m2	3.6	199.15 cd/m2	5.9	50% of Tier Level Maximum	N/A	x	y	Y	0.3086	0.3209	4.92	0.3103	0.3207	14.08	0.3117	0.3212	47.55	0.3123	0.3217	97.75	0.3108	0.3221	212.82
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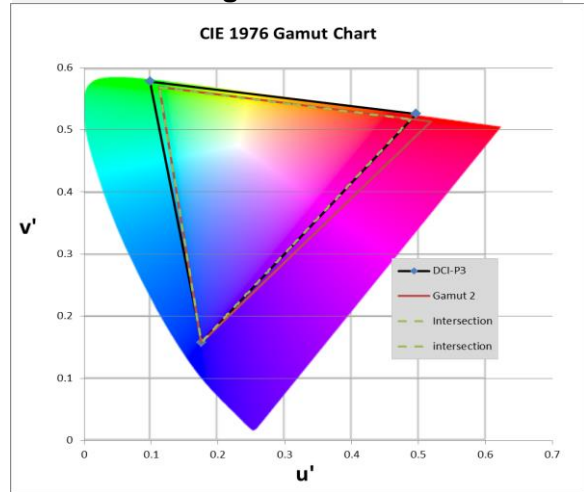


DP1

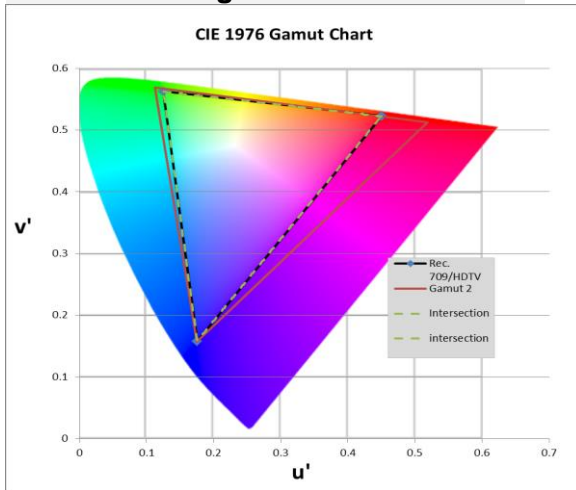
BT.709 Coverage u'v' for the 10% Patch



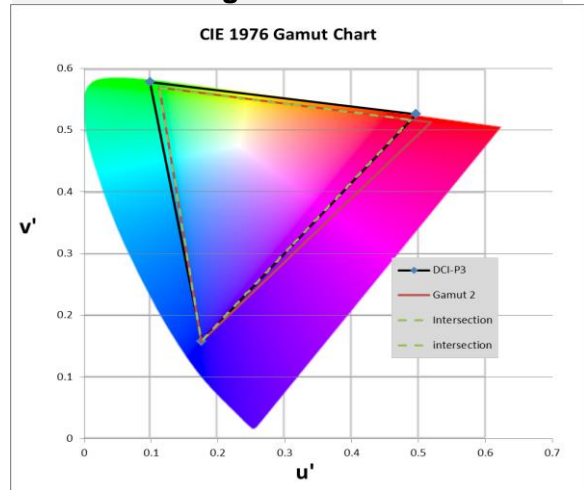
DCI-P3 Coverage u'v' for the 10% Patch



BT.709 Coverage u'v' for Full screen



DCI-P3 Coverage u'v' for Full screen





Test Results-HDR 400 Port : DP2 2560x1440 60 Hz RGB

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5.1.1 Minimum-white Luminance- 10% Center Patch Test	Pass	Minimum of all samples: 453.81 nits Maximum range between high and low <10% : 1.6% Detailed Measured Value <table border="1"> <tr><td>1</td><td>453.81</td><td>16</td><td>458.55</td></tr> <tr><td>2</td><td>461.03</td><td>17</td><td>458.53</td></tr> <tr><td>3</td><td>460.78</td><td>18</td><td>458.34</td></tr> <tr><td>4</td><td>460.50</td><td>19</td><td>458.22</td></tr> <tr><td>5</td><td>460.26</td><td>20</td><td>457.99</td></tr> <tr><td>6</td><td>460.09</td><td>21</td><td>457.80</td></tr> <tr><td>7</td><td>459.92</td><td>22</td><td>457.64</td></tr> <tr><td>8</td><td>459.76</td><td>23</td><td>457.46</td></tr> <tr><td>9</td><td>459.56</td><td>24</td><td>457.25</td></tr> <tr><td>10</td><td>459.38</td><td>25</td><td>457.11</td></tr> <tr><td>11</td><td>459.18</td><td>26</td><td>456.92</td></tr> <tr><td>12</td><td>459.08</td><td>27</td><td>456.76</td></tr> <tr><td>13</td><td>458.98</td><td>28</td><td>456.63</td></tr> <tr><td>14</td><td>458.86</td><td>29</td><td>456.50</td></tr> <tr><td>15</td><td>458.68</td><td>30</td><td>456.29</td></tr> </table> Criteria: Please refer to P.30 of VESA Display HDR CTS Ver 1.1 for details.	1	453.81	16	458.55	2	461.03	17	458.53	3	460.78	18	458.34	4	460.50	19	458.22	5	460.26	20	457.99	6	460.09	21	457.80	7	459.92	22	457.64	8	459.76	23	457.46	9	459.56	24	457.25	10	459.38	25	457.11	11	459.18	26	456.92	12	459.08	27	456.76	13	458.98	28	456.63	14	458.86	29	456.50	15	458.68	30	456.29
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12	459.08	27	456.76																																																											
13	458.98	28	456.63																																																											
14	458.86	29	456.50																																																											
15	458.68	30	456.29																																																											
5.1.2 Minimum-white Luminance- Full-screen Flash Test	Pass	Minimum of all samples: 472.18 nits Detailed Measured Value <table border="1"> <tr><td>1</td><td>472.74</td></tr> <tr><td>2</td><td>472.65</td></tr> <tr><td>3</td><td>472.53</td></tr> <tr><td>4</td><td>472.18</td></tr> <tr><td>5</td><td>473.28</td></tr> </table> Criteria: Please refer to P.31 of VESA Display HDR CTS Ver 1.1 for details.	1	472.74	2	472.65	3	472.53	4	472.18	5	473.28																																																		
1	472.74																																																													
2	472.65																																																													
3	472.53																																																													
4	472.18																																																													
5	473.28																																																													



ID	Pass / Fail	Comment or Value																																																												
5.1.3 Minimum-white Luminance– Full-screen Long-duration Test	Pass	Minimum of all samples: 453.81 nits Detailed Measured Value <table border="1"> <tr><td>1</td><td>453.81</td><td>16</td><td>455.40</td></tr> <tr><td>2</td><td>457.20</td><td>17</td><td>455.30</td></tr> <tr><td>3</td><td>456.71</td><td>18</td><td>455.22</td></tr> <tr><td>4</td><td>456.47</td><td>19</td><td>455.13</td></tr> <tr><td>5</td><td>456.42</td><td>20</td><td>455.03</td></tr> <tr><td>6</td><td>456.33</td><td>21</td><td>454.98</td></tr> <tr><td>7</td><td>456.20</td><td>22</td><td>454.87</td></tr> <tr><td>8</td><td>456.07</td><td>23</td><td>454.79</td></tr> <tr><td>9</td><td>456.03</td><td>24</td><td>454.69</td></tr> <tr><td>10</td><td>455.96</td><td>25</td><td>454.57</td></tr> <tr><td>11</td><td>455.89</td><td>26</td><td>454.56</td></tr> <tr><td>12</td><td>455.78</td><td>27</td><td>454.43</td></tr> <tr><td>13</td><td>455.66</td><td>28</td><td>454.44</td></tr> <tr><td>14</td><td>455.57</td><td>29</td><td>454.35</td></tr> <tr><td>15</td><td>455.47</td><td>30</td><td>454.27</td></tr> </table> <p>Criteria: Please refer to P.32 of VESA DisplayHDR CTS Ver 1.1 for details.</p>	1	453.81	16	455.40	2	457.20	17	455.30	3	456.71	18	455.22	4	456.47	19	455.13	5	456.42	20	455.03	6	456.33	21	454.98	7	456.20	22	454.87	8	456.07	23	454.79	9	456.03	24	454.69	10	455.96	25	454.57	11	455.89	26	454.56	12	455.78	27	454.43	13	455.66	28	454.44	14	455.57	29	454.35	15	455.47	30	454.27
1	453.81	16	455.40																																																											
2	457.20	17	455.30																																																											
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13	455.66	28	454.44																																																											
14	455.57	29	454.35																																																											
15	455.47	30	454.27																																																											
5.2.1 Dual Corner Box Test Black-level Test	Pass	Screen center value: 0.0871 nits White corners value: 402.71 nits Detailed Measured Value <table border="1"> <tr><td>Center</td><td>0.087</td></tr> <tr><td>Left</td><td>406.4</td></tr> <tr><td>Right</td><td>402.7</td></tr> </table> <p>Criteria: Please refer to P.34 of VESA Display HDR CTS Ver 1.1 for details.</p>	Center	0.087	Left	406.4	Right	402.7																																																						
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Left	406.4																																																													
Right	402.7																																																													



ID	Pass / Fail	Comment or Value																												
5.2.2 Checkerboard tests Black-level Test	Pass	<p>Active Dimming Stops Required at 50 cd/m² : 14.56</p> <p>Active Dimming Stops Required at 5 cd/m² : 14.59</p> <p><i>Detailed Measured Value</i> Active Dimming at 50 cd/m² :</p> <table border="1"> <tr><td>Top White</td><td>52.82</td></tr> <tr><td>Bottom White</td><td>50.37</td></tr> <tr><td>Top Black</td><td>0.0190</td></tr> <tr><td>Bottom Black</td><td>0.0189</td></tr> </table> <p>Active Dimming at 5 cd/m² :</p> <table border="1"> <tr><td>Top White</td><td>5.56</td></tr> <tr><td>Bottom White</td><td>5.03</td></tr> <tr><td>Top Black</td><td>0.0188</td></tr> <tr><td>Bottom Black</td><td>0.0183</td></tr> </table> <p>Criteria: Please refer to P.39 of VESA Display HDR CTS Ver 1.1 for details.</p>	Top White	52.82	Bottom White	50.37	Top Black	0.0190	Bottom Black	0.0189	Top White	5.56	Bottom White	5.03	Top Black	0.0188	Bottom Black	0.0183												
Top White	52.82																													
Bottom White	50.37																													
Top Black	0.0190																													
Bottom Black	0.0189																													
Top White	5.56																													
Bottom White	5.03																													
Top Black	0.0188																													
Bottom Black	0.0183																													
6.1 Color Gamut Specifications	Pass	<p>10% Patch Color Luminance Sum: 411.7 nits BT.709 Coverage u'v' : 100% DCI-P3 Coverage u'v' : 93.0%</p> <table border="1"> <thead> <tr><th></th><th>x</th><th>y</th><th>Luminance</th></tr> </thead> <tbody> <tr><td>Red</td><td>0.6761</td><td>0.2969</td><td>63.03</td></tr> <tr><td>Green</td><td>0.2822</td><td>0.6346</td><td>314.52</td></tr> <tr><td>Blue</td><td>0.1495</td><td>0.0600</td><td>34.13</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th></th><th>u'</th><th>v'</th></tr> </thead> <tbody> <tr><td>Red</td><td>0.51902</td><td>0.51282</td></tr> <tr><td>Green</td><td>0.11231</td><td>0.56825</td></tr> <tr><td>Blue</td><td>0.17480</td><td>0.15785</td></tr> </tbody> </table> <p>Full Screen Color Luminance Sum: 411.7 nits BT.709 Coverage u'v' : 100% DCI-P3 Coverage u'v' : 93.0%</p>		x	y	Luminance	Red	0.6761	0.2969	63.03	Green	0.2822	0.6346	314.52	Blue	0.1495	0.0600	34.13		u'	v'	Red	0.51902	0.51282	Green	0.11231	0.56825	Blue	0.17480	0.15785
	x	y	Luminance																											
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6.1 Color Gamut Specifications		<p>Full Screen Color detail value</p> <table border="1"> <thead> <tr> <th></th> <th>x</th> <th>y</th> <th>Luminance</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>0.6759</td> <td>0.2970</td> <td>62.94</td> </tr> <tr> <td>Green</td> <td>0.2822</td> <td>0.6345</td> <td>314.57</td> </tr> <tr> <td>Blue</td> <td>0.1495</td> <td>0.0600</td> <td>34.17</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th></th> <th>u'</th> <th>v'</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>0.51871</td> <td>0.51284</td> </tr> <tr> <td>Green</td> <td>0.11232</td> <td>0.56823</td> </tr> <tr> <td>Blue</td> <td>0.17480</td> <td>0.15785</td> </tr> </tbody> </table> <p>Please refer to P.15 of report for coverage picture.</p> <p>Criteria: Please refer to P.40 of VESA Display HDR CTS Ver 1.1 for details.</p>		x	y	Luminance	Red	0.6759	0.2970	62.94	Green	0.2822	0.6345	314.57	Blue	0.1495	0.0600	34.17		u'	v'	Red	0.51871	0.51284	Green	0.11232	0.56823	Blue	0.17480	0.15785
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Green	0.11232	0.56823																												
Blue	0.17480	0.15785																												
7.1 Bit-depth Specification	Pass	<p>Driver IC Display Claims (Min) 8 bits</p> <p>Criteria: Please refer to P.44 of VESA Display HDR CTS Ver 1.1 for details.</p>																												
8.3 Rise-time Specifications	Pass	<p>Rise Time (Max) at 60 refresh rate(Hz): 57 ms Measuring 5 sequential rises.</p> <table border="1"> <tbody> <tr><td>1</td><td>44</td></tr> <tr><td>2</td><td>57</td></tr> <tr><td>3</td><td>42</td></tr> <tr><td>4</td><td>42</td></tr> <tr><td>5</td><td>42</td></tr> </tbody> </table> <p>Criteria: Please refer to P.48 of VESA Display HDR CTS Ver 1.1 for details.</p>	1	44	2	57	3	42	4	42	5	42																		
1	44																													
2	57																													
3	42																													
4	42																													
5	42																													

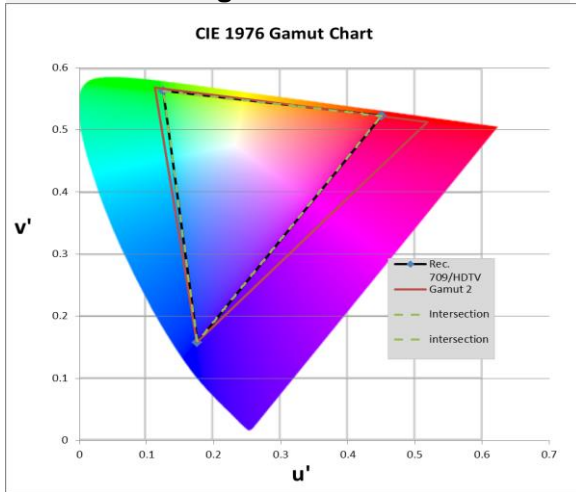


ID	Pass / Fail	Comment or Value																														
9.3 Luminance and White Point Accuracy	Pass	<p>Delta-ITP Value</p> <table border="1"> <tr><td>5.172 cd/m2</td><td>4.3</td></tr> <tr><td>14.958 cd/m2</td><td>4.8</td></tr> <tr><td>50.825 cd/m2</td><td>6.5</td></tr> <tr><td>100.23 cd/m2</td><td>4.3</td></tr> <tr><td>199.15 cd/m2</td><td>3.0</td></tr> <tr><td>50% of Tier Level Maximum</td><td>N/A</td></tr> </table> <p>Detailed Measured Value</p> <table border="1"> <thead> <tr><th>x</th><th>y</th><th>Y</th></tr> </thead> <tbody> <tr><td>0.3098</td><td>0.3215</td><td>5.55</td></tr> <tr><td>0.3110</td><td>0.3203</td><td>13.99</td></tr> <tr><td>0.3119</td><td>0.3207</td><td>46.71</td></tr> <tr><td>0.3123</td><td>0.3215</td><td>96.15</td></tr> <tr><td>0.3110</td><td>0.3219</td><td>196.53</td></tr> </tbody> </table> <p>Criteria: Please refer to P.52 of VESA Display HDR CTS Ver 1.1 for details.</p>	5.172 cd/m2	4.3	14.958 cd/m2	4.8	50.825 cd/m2	6.5	100.23 cd/m2	4.3	199.15 cd/m2	3.0	50% of Tier Level Maximum	N/A	x	y	Y	0.3098	0.3215	5.55	0.3110	0.3203	13.99	0.3119	0.3207	46.71	0.3123	0.3215	96.15	0.3110	0.3219	196.53
5.172 cd/m2	4.3																															
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0.3119	0.3207	46.71																														
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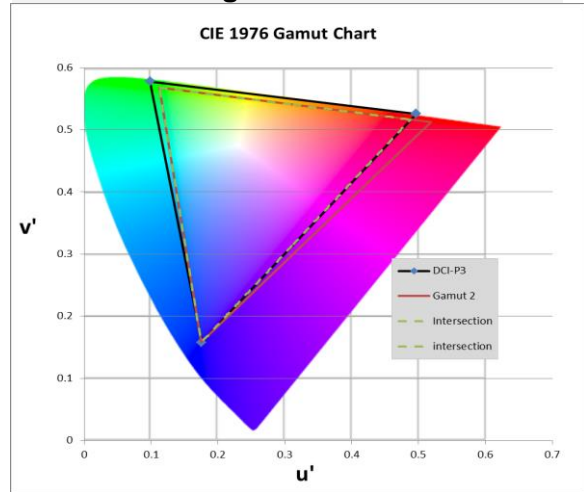


DP2

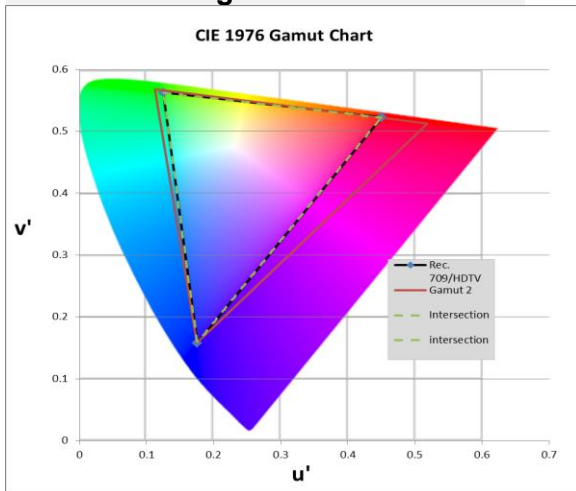
BT.709 Coverage u'v' for the 10% Patch



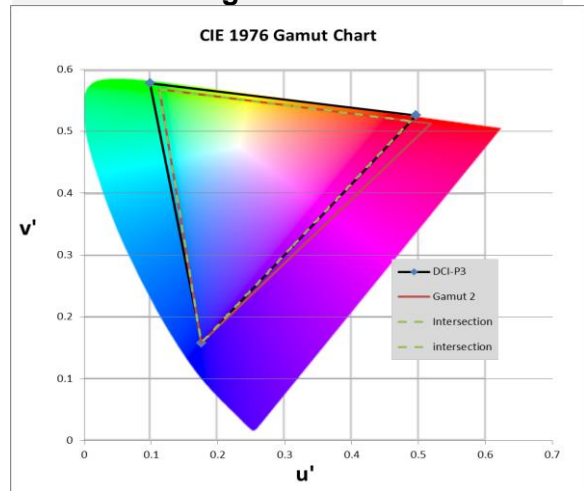
DCI-P3 Coverage u'v' for the 10% Patch



BT.709 Coverage u'v' for Full screen



DCI-P3 Coverage u'v' for Full screen





Test Results-HDR 400 Port : HDMI1 2560x1440 60 Hz RGB

ID	Pass / Fail	Comment or Value																																																												
5.1.1 Minimum-white Luminance– 10% Center Patch Test	Pass	Minimum of all samples: 458.43 nits Maximum range between high and low <10% : 1.8% Detailed Measured Value <table border="1"> <tr><td>1</td><td>466.43</td><td>16</td><td>461.03</td></tr> <tr><td>2</td><td>466.48</td><td>17</td><td>460.77</td></tr> <tr><td>3</td><td>465.69</td><td>18</td><td>460.48</td></tr> <tr><td>4</td><td>465.15</td><td>19</td><td>460.28</td></tr> <tr><td>5</td><td>464.64</td><td>20</td><td>460.10</td></tr> <tr><td>6</td><td>464.24</td><td>21</td><td>459.89</td></tr> <tr><td>7</td><td>463.90</td><td>22</td><td>459.79</td></tr> <tr><td>8</td><td>463.51</td><td>23</td><td>459.56</td></tr> <tr><td>9</td><td>463.14</td><td>24</td><td>459.40</td></tr> <tr><td>10</td><td>462.79</td><td>25</td><td>459.15</td></tr> <tr><td>11</td><td>462.50</td><td>26</td><td>459.01</td></tr> <tr><td>12</td><td>462.14</td><td>27</td><td>458.82</td></tr> <tr><td>13</td><td>461.84</td><td>28</td><td>458.69</td></tr> <tr><td>14</td><td>461.54</td><td>29</td><td>458.52</td></tr> <tr><td>15</td><td>461.27</td><td>30</td><td>458.43</td></tr> </table> Criteria: Please refer to P.30 of VESA Display HDR CTS Ver 1.1 for details.	1	466.43	16	461.03	2	466.48	17	460.77	3	465.69	18	460.48	4	465.15	19	460.28	5	464.64	20	460.10	6	464.24	21	459.89	7	463.90	22	459.79	8	463.51	23	459.56	9	463.14	24	459.40	10	462.79	25	459.15	11	462.50	26	459.01	12	462.14	27	458.82	13	461.84	28	458.69	14	461.54	29	458.52	15	461.27	30	458.43
1	466.43	16	461.03																																																											
2	466.48	17	460.77																																																											
3	465.69	18	460.48																																																											
4	465.15	19	460.28																																																											
5	464.64	20	460.10																																																											
6	464.24	21	459.89																																																											
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10	462.79	25	459.15																																																											
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12	462.14	27	458.82																																																											
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14	461.54	29	458.52																																																											
15	461.27	30	458.43																																																											
5.1.2 Minimum-white Luminance– Full-screen Flash Test	Pass	Minimum of all samples: 475.18 nits Detailed Measured Value <table border="1"> <tr><td>1</td><td>476.23</td></tr> <tr><td>2</td><td>476.53</td></tr> <tr><td>3</td><td>476.60</td></tr> <tr><td>4</td><td>476.58</td></tr> <tr><td>5</td><td>475.18</td></tr> </table> Criteria: Please refer to P.31 of VESA Display HDR CTS Ver 1.1 for details.	1	476.23	2	476.53	3	476.60	4	476.58	5	475.18																																																		
1	476.23																																																													
2	476.53																																																													
3	476.60																																																													
4	476.58																																																													
5	475.18																																																													



ID	Pass / Fail	Comment or Value																																																												
5.1.3 Minimum-white Luminance– Full-screen Long-duration Test	Pass	Minimum of all samples: 455.91 nits Detailed Measured Value <table border="1"> <tr><td>1</td><td>457.87</td><td>16</td><td>457.14</td></tr> <tr><td>2</td><td>459.06</td><td>17</td><td>456.99</td></tr> <tr><td>3</td><td>458.63</td><td>18</td><td>456.92</td></tr> <tr><td>4</td><td>458.47</td><td>19</td><td>456.77</td></tr> <tr><td>5</td><td>458.34</td><td>20</td><td>456.68</td></tr> <tr><td>6</td><td>458.29</td><td>21</td><td>456.60</td></tr> <tr><td>7</td><td>458.12</td><td>22</td><td>456.53</td></tr> <tr><td>8</td><td>458.02</td><td>23</td><td>456.43</td></tr> <tr><td>9</td><td>457.87</td><td>24</td><td>456.40</td></tr> <tr><td>10</td><td>457.75</td><td>25</td><td>456.26</td></tr> <tr><td>11</td><td>457.65</td><td>26</td><td>456.18</td></tr> <tr><td>12</td><td>457.52</td><td>27</td><td>456.11</td></tr> <tr><td>13</td><td>457.45</td><td>28</td><td>456.03</td></tr> <tr><td>14</td><td>457.29</td><td>29</td><td>455.91</td></tr> <tr><td>15</td><td>457.25</td><td>30</td><td>455.93</td></tr> </table> <p>Criteria: Please refer to P.32 of VESA DisplayHDR CTS Ver 1.1 for details.</p>	1	457.87	16	457.14	2	459.06	17	456.99	3	458.63	18	456.92	4	458.47	19	456.77	5	458.34	20	456.68	6	458.29	21	456.60	7	458.12	22	456.53	8	458.02	23	456.43	9	457.87	24	456.40	10	457.75	25	456.26	11	457.65	26	456.18	12	457.52	27	456.11	13	457.45	28	456.03	14	457.29	29	455.91	15	457.25	30	455.93
1	457.87	16	457.14																																																											
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9	457.87	24	456.40																																																											
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11	457.65	26	456.18																																																											
12	457.52	27	456.11																																																											
13	457.45	28	456.03																																																											
14	457.29	29	455.91																																																											
15	457.25	30	455.93																																																											
5.2.1 Dual Corner Box Test Black-level Test	Pass	Screen center value: 0.0699 nits White corners value: 382.13 nits Detailed Measured Value <table border="1"> <tr><td>Center</td><td>0.07</td></tr> <tr><td>Left</td><td>382.1</td></tr> <tr><td>Right</td><td>403</td></tr> </table> <p>Criteria: Please refer to P.34 of VESA Display HDR CTS Ver 1.1 for details.</p>	Center	0.07	Left	382.1	Right	403																																																						
Center	0.07																																																													
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Right	403																																																													



ID	Pass / Fail	Comment or Value																												
5.2.2 Checkerboard tests Black-level Test	Pass	<p>Active Dimming Stops Required at 50 cd/m² : 14.58</p> <p>Active Dimming Stops Required at 5 cd/m² : 14.63</p> <p><i>Detailed Measured Value</i> Active Dimming at 50 cd/m² :</p> <table border="1"> <tr><td>Top White</td><td>53.51</td></tr> <tr><td>Bottom White</td><td>50.65</td></tr> <tr><td>Top Black</td><td>0.0191</td></tr> <tr><td>Bottom Black</td><td>0.0187</td></tr> </table> <p>Active Dimming at 5 cd/m² :</p> <table border="1"> <tr><td>Top White</td><td>5.58</td></tr> <tr><td>Bottom White</td><td>5.05</td></tr> <tr><td>Top Black</td><td>0.0172</td></tr> <tr><td>Bottom Black</td><td>0.0191</td></tr> </table> <p>Criteria: Please refer to P.39 of VESA Display HDR CTS Ver 1.1 for details.</p>	Top White	53.51	Bottom White	50.65	Top Black	0.0191	Bottom Black	0.0187	Top White	5.58	Bottom White	5.05	Top Black	0.0172	Bottom Black	0.0191												
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6.1 Color Gamut Specifications	Pass	<p>10% Patch Color Luminance Sum: 413.3 nits BT.709 Coverage u'v' : 100% DCI-P3 Coverage u'v' : 93.1%</p> <table border="1"> <thead> <tr><th></th><th>x</th><th>y</th><th>Luminance</th></tr> </thead> <tbody> <tr><td>Red</td><td>0.6767</td><td>0.2968</td><td>63.32</td></tr> <tr><td>Green</td><td>0.2823</td><td>0.6353</td><td>315.75</td></tr> <tr><td>Blue</td><td>0.1494</td><td>0.0601</td><td>34.27</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th></th><th>u'</th><th>v'</th></tr> </thead> <tbody> <tr><td>Red</td><td>0.51972</td><td>0.51288</td></tr> <tr><td>Green</td><td>0.11226</td><td>0.56842</td></tr> <tr><td>Blue</td><td>0.17461</td><td>0.15805</td></tr> </tbody> </table> <p>Full Screen Color Luminance Sum: 413.2 nits BT.709 Coverage u'v' : 100% DCI-P3 Coverage u'v' : 93.1%</p>		x	y	Luminance	Red	0.6767	0.2968	63.32	Green	0.2823	0.6353	315.75	Blue	0.1494	0.0601	34.27		u'	v'	Red	0.51972	0.51288	Green	0.11226	0.56842	Blue	0.17461	0.15805
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7.1 Bit-depth Specification	Pass	<p>Driver IC Display Claims (Min) 8 bits</p> <p>Criteria: Please refer to P.44 of VESA Display HDR CTS Ver 1.1 for details.</p>																												
8.3 Rise-time Specifications	Pass	<p>Rise Time (Max) at 60 refresh rate(Hz): 60 ms Measuring 5 sequential rises.</p> <table border="1"> <tbody> <tr><td>1</td><td>57</td></tr> <tr><td>2</td><td>60</td></tr> <tr><td>3</td><td>60</td></tr> <tr><td>4</td><td>57</td></tr> <tr><td>5</td><td>60</td></tr> </tbody> </table> <p>Criteria: Please refer to P.48 of VESA Display HDR CTS Ver 1.1 for details.</p>	1	57	2	60	3	60	4	57	5	60																		
1	57																													
2	60																													
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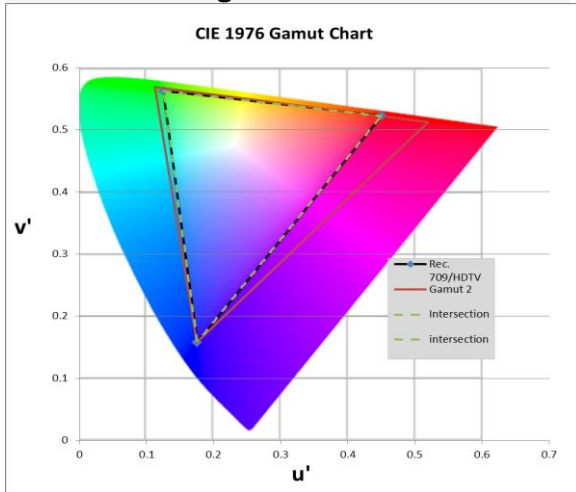


ID	Pass / Fail	Comment or Value																														
9.3 Luminance and White Point Accuracy	Pass	<p>Delta-ITP Value</p> <table border="1"> <tr><td>5.172 cd/m2</td><td>7.3</td></tr> <tr><td>14.958 cd/m2</td><td>4.6</td></tr> <tr><td>50.825 cd/m2</td><td>5.9</td></tr> <tr><td>100.23 cd/m2</td><td>8.5</td></tr> <tr><td>199.15 cd/m2</td><td>6.1</td></tr> <tr><td>50% of Tier Level Maximum</td><td>N/A</td></tr> </table> <p>Detailed Measured Value</p> <table border="1"> <thead> <tr><th>x</th><th>y</th><th>Y</th></tr> </thead> <tbody> <tr><td>0.3089</td><td>0.3201</td><td>5.89</td></tr> <tr><td>0.3105</td><td>0.3204</td><td>14.02</td></tr> <tr><td>0.3120</td><td>0.3211</td><td>47.10</td></tr> <tr><td>0.3128</td><td>0.3217</td><td>89.72</td></tr> <tr><td>0.3114</td><td>0.3223</td><td>184.78</td></tr> </tbody> </table> <p>Criteria: Please refer to P.52 of VESA Display HDR CTS Ver 1.1 for details.</p>	5.172 cd/m2	7.3	14.958 cd/m2	4.6	50.825 cd/m2	5.9	100.23 cd/m2	8.5	199.15 cd/m2	6.1	50% of Tier Level Maximum	N/A	x	y	Y	0.3089	0.3201	5.89	0.3105	0.3204	14.02	0.3120	0.3211	47.10	0.3128	0.3217	89.72	0.3114	0.3223	184.78
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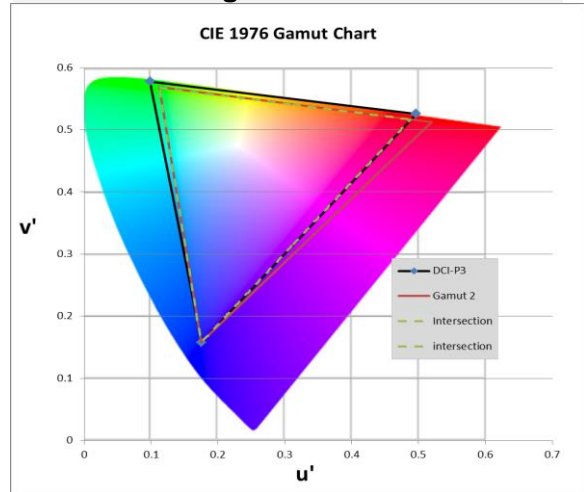


HDMI1

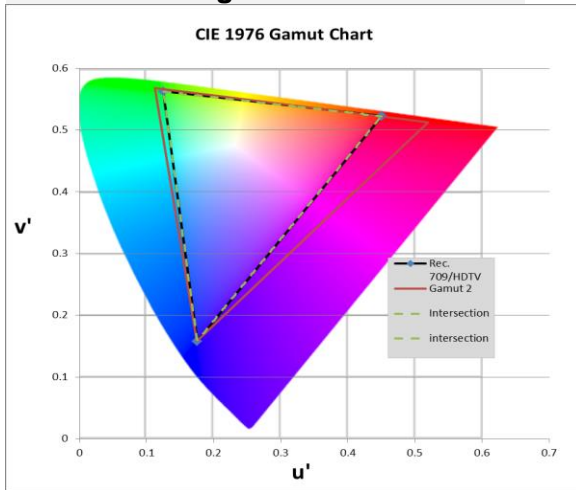
BT.709 Coverage u'v' for the 10% Patch



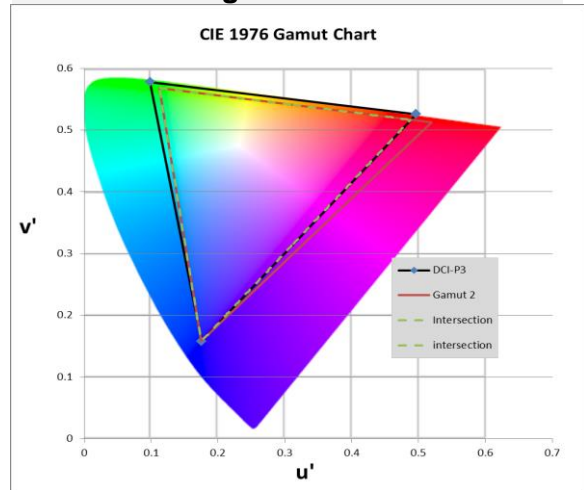
DCI-P3 Coverage u'v' for the 10% Patch



BT.709 Coverage u'v' for Full screen



DCI-P3 Coverage u'v' for Full screen





Test Results-HDR 400 Port : HDMI2 2560x1440 60 Hz RGB

ID	Pass / Fail	Comment or Value																																																												
5.1.1 Minimum-white Luminance– 10% Center Patch Test	Pass	<p>Minimum of all samples: 445.81 nits Maximum range between high and low <10% : 5.3%</p> <p>Detailed Measured Value</p> <table border="1"> <tr><td>1</td><td>445.81</td><td>16</td><td>463.06</td></tr> <tr><td>2</td><td>469.24</td><td>17</td><td>462.68</td></tr> <tr><td>3</td><td>468.55</td><td>18</td><td>462.38</td></tr> <tr><td>4</td><td>467.89</td><td>19</td><td>462.05</td></tr> <tr><td>5</td><td>467.35</td><td>20</td><td>461.77</td></tr> <tr><td>6</td><td>466.91</td><td>21</td><td>461.44</td></tr> <tr><td>7</td><td>466.42</td><td>22</td><td>461.13</td></tr> <tr><td>8</td><td>466.00</td><td>23</td><td>460.85</td></tr> <tr><td>9</td><td>465.59</td><td>24</td><td>460.68</td></tr> <tr><td>10</td><td>465.20</td><td>25</td><td>460.36</td></tr> <tr><td>11</td><td>464.83</td><td>26</td><td>460.10</td></tr> <tr><td>12</td><td>464.44</td><td>27</td><td>459.87</td></tr> <tr><td>13</td><td>464.06</td><td>28</td><td>459.61</td></tr> <tr><td>14</td><td>463.73</td><td>29</td><td>459.36</td></tr> <tr><td>15</td><td>463.33</td><td>30</td><td>459.15</td></tr> </table> <p>Criteria: Please refer to P.30 of VESA Display HDR CTS Ver 1.1 for details.</p>	1	445.81	16	463.06	2	469.24	17	462.68	3	468.55	18	462.38	4	467.89	19	462.05	5	467.35	20	461.77	6	466.91	21	461.44	7	466.42	22	461.13	8	466.00	23	460.85	9	465.59	24	460.68	10	465.20	25	460.36	11	464.83	26	460.10	12	464.44	27	459.87	13	464.06	28	459.61	14	463.73	29	459.36	15	463.33	30	459.15
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14	463.73	29	459.36																																																											
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5.1.2 Minimum-white Luminance– Full-screen Flash Test	Pass	<p>Minimum of all samples: 472.43 nits</p> <p>Detailed Measured Value</p> <table border="1"> <tr><td>1</td><td>473.94</td></tr> <tr><td>2</td><td>473.03</td></tr> <tr><td>3</td><td>472.51</td></tr> <tr><td>4</td><td>472.98</td></tr> <tr><td>5</td><td>472.43</td></tr> </table> <p>Criteria: Please refer to P.31 of VESA Display HDR CTS Ver 1.1 for details.</p>	1	473.94	2	473.03	3	472.51	4	472.98	5	472.43																																																		
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ID	Pass / Fail	Comment or Value																																																												
5.1.3 Minimum-white Luminance– Full-screen Long-duration Test	Pass	<p>Minimum of all samples: 439.46 nits</p> <p>Detailed Measured Value</p> <table border="1"> <tr><td>1</td><td>439.46</td><td>16</td><td>457.00</td></tr> <tr><td>2</td><td>459.53</td><td>17</td><td>456.86</td></tr> <tr><td>3</td><td>459.04</td><td>18</td><td>456.70</td></tr> <tr><td>4</td><td>458.80</td><td>19</td><td>456.60</td></tr> <tr><td>5</td><td>458.58</td><td>20</td><td>456.45</td></tr> <tr><td>6</td><td>458.40</td><td>21</td><td>456.32</td></tr> <tr><td>7</td><td>458.29</td><td>22</td><td>456.19</td></tr> <tr><td>8</td><td>458.13</td><td>23</td><td>456.05</td></tr> <tr><td>9</td><td>457.95</td><td>24</td><td>455.94</td></tr> <tr><td>10</td><td>457.89</td><td>25</td><td>455.86</td></tr> <tr><td>11</td><td>457.71</td><td>26</td><td>455.73</td></tr> <tr><td>12</td><td>457.57</td><td>27</td><td>455.66</td></tr> <tr><td>13</td><td>457.41</td><td>28</td><td>455.55</td></tr> <tr><td>14</td><td>457.24</td><td>29</td><td>455.51</td></tr> <tr><td>15</td><td>457.16</td><td>30</td><td>455.35</td></tr> </table> <p>Criteria: Please refer to P.32 of VESA DisplayHDR CTS Ver 1.1 for details.</p>	1	439.46	16	457.00	2	459.53	17	456.86	3	459.04	18	456.70	4	458.80	19	456.60	5	458.58	20	456.45	6	458.40	21	456.32	7	458.29	22	456.19	8	458.13	23	456.05	9	457.95	24	455.94	10	457.89	25	455.86	11	457.71	26	455.73	12	457.57	27	455.66	13	457.41	28	455.55	14	457.24	29	455.51	15	457.16	30	455.35
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14	457.24	29	455.51																																																											
15	457.16	30	455.35																																																											
5.2.1 Dual Corner Box Test Black-level Test	Pass	<p>Screen center value: 0.0726 nits White corners value: 336.46 nits</p> <p>Detailed Measured Value</p> <table border="1"> <tr><td>Center</td><td>0.073</td></tr> <tr><td>Left</td><td>336.5</td></tr> <tr><td>Right</td><td>408.2</td></tr> </table> <p>Criteria: Please refer to P.34 of VESA Display HDR CTS Ver 1.1 for details.</p>	Center	0.073	Left	336.5	Right	408.2																																																						
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ID	Pass / Fail	Comment or Value																												
5.2.2 Checkerboard tests Black-level Test	Pass	<p>Active Dimming Stops Required at 50 cd/m2 : 14.61</p> <p>Active Dimming Stops Required at 5 cd/m2 : 14.56</p> <p><i>Detailed Measured Value</i> Active Dimming at 50 cd/m2 :</p> <table border="1"> <tr><td>Top White</td><td>53.94</td></tr> <tr><td>Bottom White</td><td>50.78</td></tr> <tr><td>Top Black</td><td>0.02</td></tr> <tr><td>Bottom Black</td><td>0.02</td></tr> </table> <p>Active Dimming at 5 cd/m2 :</p> <table border="1"> <tr><td>Top White</td><td>5.56</td></tr> <tr><td>Bottom White</td><td>5.01</td></tr> <tr><td>Top Black</td><td>0.02</td></tr> <tr><td>Bottom Black</td><td>0.02</td></tr> </table> <p>Criteria: Please refer to P.39 of VESA Display HDR CTS Ver 1.1 for details.</p>	Top White	53.94	Bottom White	50.78	Top Black	0.02	Bottom Black	0.02	Top White	5.56	Bottom White	5.01	Top Black	0.02	Bottom Black	0.02												
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6.1 Color Gamut Specifications	Pass	<p>10% Patch Color Luminance Sum: 412.6 nits BT.709 Coverage u'v' : 100% DCI-P3 Coverage u'v' : 93.0%</p> <table border="1"> <thead> <tr><th></th><th>x</th><th>y</th><th>Luminance</th></tr> </thead> <tbody> <tr><td>Red</td><td>0.6766</td><td>0.2967</td><td>63.19</td></tr> <tr><td>Green</td><td>0.2823</td><td>0.6352</td><td>315.27</td></tr> <tr><td>Blue</td><td>0.1495</td><td>0.0600</td><td>34.18</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th></th><th>u'</th><th>v'</th></tr> </thead> <tbody> <tr><td>Red</td><td>0.51974</td><td>0.51281</td></tr> <tr><td>Green</td><td>0.11227</td><td>0.56839</td></tr> <tr><td>Blue</td><td>0.17480</td><td>0.15785</td></tr> </tbody> </table> <p>Full Screen Color Luminance Sum: 412.5 nits BT.709 Coverage u'v' : 100% DCI-P3 Coverage u'v' : 93.0%</p>		x	y	Luminance	Red	0.6766	0.2967	63.19	Green	0.2823	0.6352	315.27	Blue	0.1495	0.0600	34.18		u'	v'	Red	0.51974	0.51281	Green	0.11227	0.56839	Blue	0.17480	0.15785
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Blue	0.17480	0.15785																												
7.1 Bit-depth Specification	Pass	<p>Driver IC Display Claims (Min) 8 bits</p> <p>Criteria: Please refer to P.44 of VESA Display HDR CTS Ver 1.1 for details.</p>																												
8.3 Rise-time Specifications	Pass	<p>Rise Time (Max) at 60 refresh rate(Hz): 60 ms Measuring 5 sequential rises.</p> <table border="1"> <tbody> <tr><td>1</td><td>60</td></tr> <tr><td>2</td><td>60</td></tr> <tr><td>3</td><td>57</td></tr> <tr><td>4</td><td>60</td></tr> <tr><td>5</td><td>60</td></tr> </tbody> </table> <p>Criteria: Please refer to P.48 of VESA Display HDR CTS Ver 1.1 for details.</p>	1	60	2	60	3	57	4	60	5	60																		
1	60																													
2	60																													
3	57																													
4	60																													
5	60																													

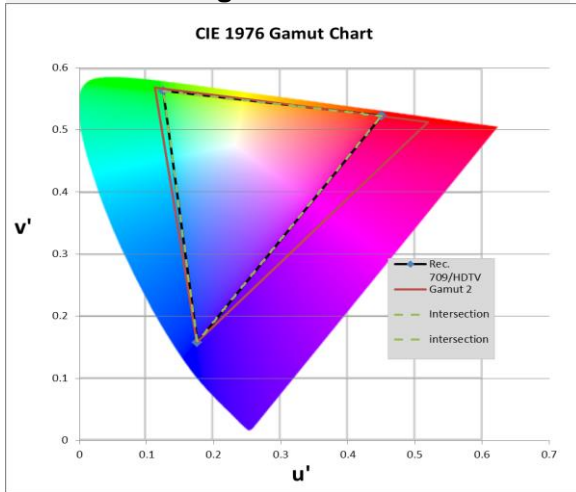


ID	Pass / Fail	Comment or Value																														
9.3 Luminance and White Point Accuracy	Pass	<p>Delta-ITP Value</p> <table border="1"> <tr><td>5.172 cd/m2</td><td>3.0</td></tr> <tr><td>14.958 cd/m2</td><td>4.1</td></tr> <tr><td>50.825 cd/m2</td><td>5.2</td></tr> <tr><td>100.23 cd/m2</td><td>3.6</td></tr> <tr><td>199.15 cd/m2</td><td>2.7</td></tr> <tr><td>50% of Tier Level Maximum</td><td>N/A</td></tr> </table> <p>Detailed Measured Value</p> <table border="1"> <thead> <tr><th>x</th><th>y</th><th>Y</th></tr> </thead> <tbody> <tr><td>0.3076</td><td>0.3215</td><td>4.98</td></tr> <tr><td>0.3098</td><td>0.3208</td><td>14.15</td></tr> <tr><td>0.3114</td><td>0.3213</td><td>47.65</td></tr> <tr><td>0.3122</td><td>0.3219</td><td>97.47</td></tr> <tr><td>0.3109</td><td>0.3223</td><td>198.97</td></tr> </tbody> </table> <p>Criteria: Please refer to P.52 of VESA Display HDR CTS Ver 1.1 for details.</p>	5.172 cd/m2	3.0	14.958 cd/m2	4.1	50.825 cd/m2	5.2	100.23 cd/m2	3.6	199.15 cd/m2	2.7	50% of Tier Level Maximum	N/A	x	y	Y	0.3076	0.3215	4.98	0.3098	0.3208	14.15	0.3114	0.3213	47.65	0.3122	0.3219	97.47	0.3109	0.3223	198.97
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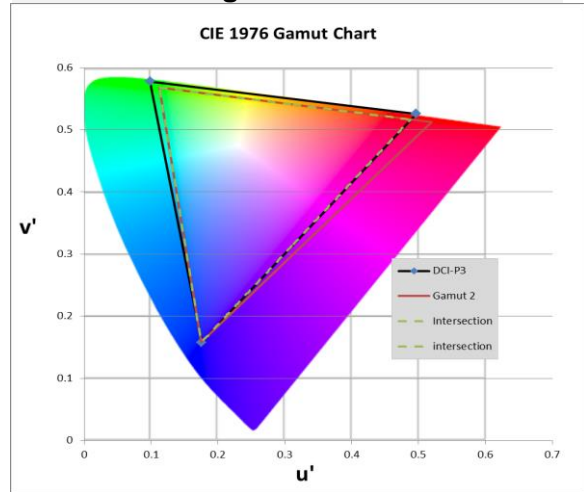


HDMI2

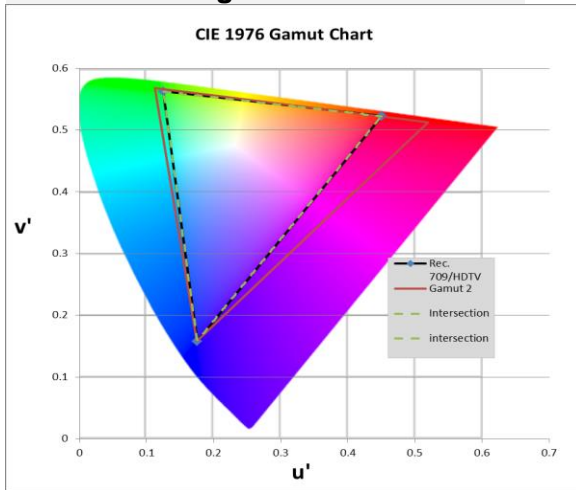
BT.709 Coverage u'v' for the 10% Patch



DCI-P3 Coverage u'v' for the 10% Patch



BT.709 Coverage u'v' for Full screen



DCI-P3 Coverage u'v' for Full screen

