Product Verification Report

Product Name	**: RUP2433AMI**
Model Name	**: RUP2433AMI**
Product Stage	**: MP**
Product No.	**: 1A1A24260112202**
Revision	**: 0**

Prepared By ： _Jack Lu_ **Date：2026/06/03**

Approved by ： Rongchi_Liao **Date：2026/06/03**

Index & Content			
Part	Test Item	Descriptions	Result
F/W	1. Calibration Test	Check and verify calibration software functions are properly. Criteria: 1. No any malfunctions 2. Record all the abnormality	PASS
F/W	2. Characteristic Test	All optical characteristic must be within engineering and product spec. Criteria: 1. Brightness value must be greater than the minimum panel specification. 2. RGB value must be within≦±0.03. 3. Color Temperature(6800K)(x, y): (0.308±0.01 ; 0.325±0.01) 4. Follow Panel Spec/ Engineering Spec/Product Spec.	PASS
F/W	3. EDID Burning Test	Check that using the EDID burning tool and enabling DIVA Factory Automatic, the EDID Tool burning process works normally. Criteria: 1. No any malfunctions. 2. Record all the abnormality.	PASS

1. Calibration Test

Test Engineer	Jack Lu	Date	2026/5/22	Stage	Result
				MP	PASS

Test Propose

Check and verify calibration software functions are properly.

Evaluation Environment

Temperature	25°C±2°C
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel ® Core™ i5-6400 CPU @ 2.7GHz		
Graphics Card	NVIDIA GeForce GTX1080 -Driver 388.13		
O.S.	Windows 10 Pro - 64bit		
Test Equipment	KONICA Color Display Analyzer CA-410	N/A	N/A
Test Software	DIVA Factory Automatic Tool V 0.0.1.4	N/A	N/A

Stage Description

Description Of Change	DIVA Factory Automatic Tool V 0.0.1.4 Verification. 1. Calibration using the CA-410. 2. EDID burning function.

Evaluation Unit Level

LCD Module	AUO G238HAN01.3
F/W Version	260520R0V01
Power Board	PSU (24V10.41A,MDS-250APB24 AB,IC133 ST) (3ZAD24V1112)
Front Sensor Board	2AAD536R03V
Key Board	2AAD464R037
Main Board	2AAD536R138
USB Hub Board	2AAD462R03U
USB Type A Board	2AAD462R33U
Led Driver Board	2AAD482R03Q
Interface Signal	DVI/DP
Serial Number	D082552030001

Test Standard

Calibration Software Test Specification

Criteria

1. No any malfunctions.
2. Record all the abnormality.

Calibration Test

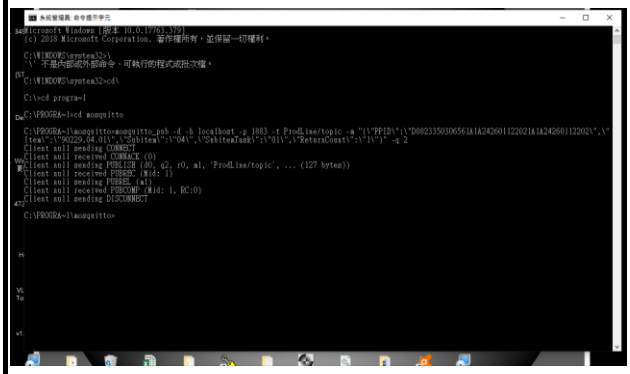
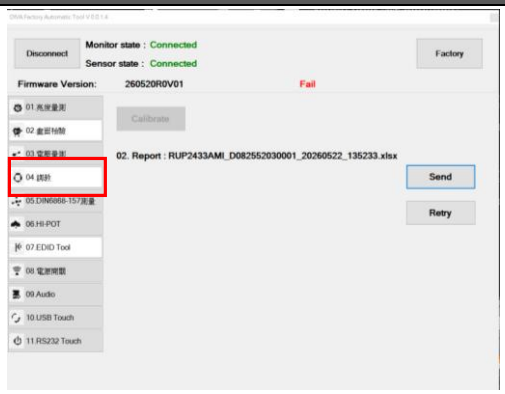
Test Procedure	Result	Note
1. Confirm burn in more than 30min.	Pass	
2. Confirm execute commands in Windows 10 OS system administrator	Pass	
3. Confirm execute DIVA Factory Automatic Tool V 0.0.1.4 and placed the CA-410 the center of the monitor to check test result.	Pass	
3. Confirm by pressing Calibration and then confirm the pop-up of DIVA Calibration Tool V 0.3.2.7 and select connect..	Pass	
4. After the Calibration Test, function check and confirm calibration results.	Pass	

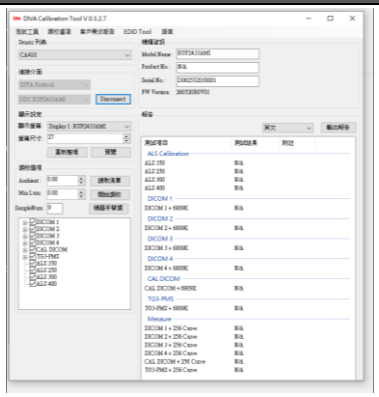
Test Condition

Measure Sensor	Color Display Analyzer CA-410	Calibration Software	DIVA Factory Automatic Tool V 0.0.1.4	Resolution	1920x1080/60Hz(DVI)

Function Check			Verification	Result	Note
DIVA Calibration Tool V 0.3.2.7	Calibration Item	ALS 350	350.92101	Pass	
		ALS 250	253.30974	Pass	
		ALS 300	302.92517	Pass	
		ALS 400	402.26668	Pass	
		DICOM 1 + 6809K	2.299484805	Pass	
		DICOM 2 + 6809K	2.109872311	Pass	
		DICOM 3 + 6809K	2.036696445	Pass	
		DICOM 4 + 6809K	2.10647601	Pass	
		Calibration + 6809K	1.879471792	Pass	
		TG3-PMS + 6809K	1.840252089	Pass	
		DICOM 1 + 6809K + 256 Curve	GSDF Deviation:<10%	Pass	
		DICOM 2 + 6809K + 256 Curve	GSDF Deviation:<10%	Pass	
		DICOM 3 + 6809K + 256 Curve	GSDF Deviation:<10%	Pass	
		DICOM 4 + 6809K + 256 Curve	GSDF Deviation:<10%	Pass	
		CAL DICOM + 6809K + 256 Curve	GSDF Deviation:<10%	Pass	
		TG3-PMS + 6809K + 256 Curve	GSDF Deviation:<10%	Pass	

PHOTO OF TEST

Before Test	Before Test (1)	Note
		

DIVA Calibration Tool V 0.3.2.7 Test Condition	Test Condition	Note
		

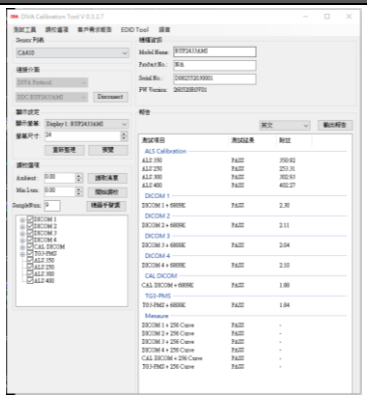
After Test		Note
		

PHOTO OF TEST

DIVA Calibration Test Result	Note

DIVA Calibration Report

Calibrate Date:	2026/05/22 13:52:33 - 2026/05/22 14:04:00		
Measuring Device:	CA410 , CA-P427 , 81020599		
Model Name:	RUP2433AMI	Serial Number:	D082552030001
Firmware Version:	260520R0V01	Software Version:	0.3.2.7

Summary

Calibration Item	Verification	Result:
ALS 350	350.92101	PASS
ALS 250	253.30974	PASS
ALS 300	302.92517	PASS
ALS 400	402.26668	PASS
DICOM 1 + 6809K	2.299484805	PASS
DICOM 2 + 6809K	2.109872311	PASS
DICOM 3 + 6809K	2.036696445	PASS
DICOM 4 + 6809K	2.101647601	PASS
CAL DICOM + 6809K	1.879471792	PASS
TG3-PMS + 6809K	1.840252089	PASS
DICOM 1 + 6809K + 256 Curve	-	PASS
DICOM 2 + 6809K + 256 Curve	-	PASS
DICOM 3 + 6809K + 256 Curve	-	PASS
DICOM 4 + 6809K + 256 Curve	-	PASS
CAL DICOM + 6809K + 256 Curve	-	PASS
TG3-PMS + 6809K + 256 Curve	-	PASS

2. Characteristic Test

Test Engineer	Jack Lu	Date	2026/5/29	Stage	Result
				MP	PASS

Test Propose

All optical characteristic must be within engineering and product spec.

Evaluation Unit Level

Temperature	25°C±2°C
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel ® Core™ i5-6400 CPU @ 2.7GHz		
Graphics Card	NVIDIA GeForce GTX1080 -Driver 388.13		
O.S.	Windows 10 Pro - 64bit		
Test Equipment	KONICA Color Display Analyzer CA-410	N/A	N/A
Test Software	DIVA Factory Automatic Tool V 0.0.1.4	N/A	N/A

Stage Description

Description Of Change	DIVA Factory Automatic Tool V 0.0.1.4 Verification. 1. Calibration using the CA-410. 2. EDID burning function.

Evaluation Unit Level

LCD Module	AUO G238HAN01.3
F/W Version	260520R0V01
Power Board	PSU (24V10.41A,MDS-250APB24 AB,IC133 ST) (3ZAD24V1112)
Front Sensor Board	2AAD536R03V
Key Board	2AAD464R037
Main Board	2AAD536R138
USB Hub Board	2AAD462R03U
USB Type A Board	2AAD462R33U
Led Driver Board	2AAD482R03Q
Interface Signal	DVI/DP
Serial Number	D082552030001

Test Standard

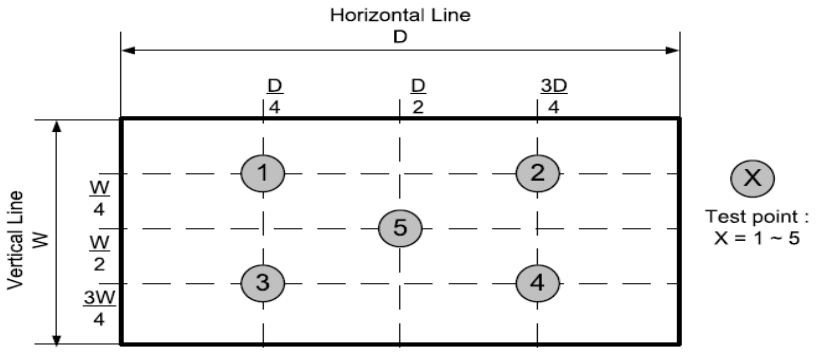
Characteristic Test Specification / AUO G238HAN01.3 Panel Specification

Criteria

1. Brightness value must be greater than the minimum panel specification.
2. RGB value must be within≦±0.03.
3. Color Temperature(6800K)(x, y): (0.308±0.01 ; 0.325±0.01)
4. Follow Panel Spec/Engineering Spec/Product Spec.

Optical Characteristics Test

Characteristic Test



Test Procedure	Result	Note
1. Burn in more than 30 min.	Pass	
2. Confirm adjust OSD settings : Brightness→ MAX., Display Function→ NATIVE.	Pass	
3. Confirm open Full white pattern,and the CA-410 to measure the screen five points.	Pass	
4. Record the x, y, and Y values of five points.	Pass	
5. Check that the characteristic meet the specifications.	Pass	

Test Condition

Applied Voltage	110V/60Hz	Input Source	DVI	Resolution	1920x1080/60Hz
Brightness	MAX.	Display Function	NATIVE MODE	Color Temp.	6800K
Measure Sensor	CA-410	Measure Pattern	White Pattern/Black Pattern		

Test Spec

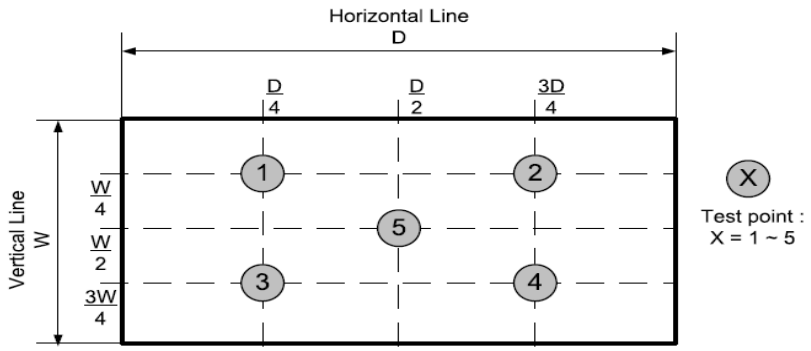
White Luminance (Center of screen)	500cd/m²(Min), 625cd/m²(Typ)
Contrast Ratio (Center of screen)	600(Min), 1000(Typ)

Measurement Record

Condition	Position	Measure Data			Result	Note
		x	y	Y		
White Pattern Brightness: MAX. Display Function: NATIVE	Up-Left Corner	0.2934	0.2901	582.79	Pass	Unit: cd/m²
	Up-Right Corner	0.2928	0.2982	588.12	Pass	Unit: cd/m²
	Center	0.2924	0.2876	603.27	Pass	Unit: cd/m²
	Down-Left Corner	0.2926	0.2874	568.03	Pass	Unit: cd/m²
	Down-Right Corner	0.2949	0.2902	575.75	Pass	Unit: cd/m²
Black Pattern	Center	0.2431	0.2169	0.45	Pass	Unit: cd/m²

Measurement Conclusion	Measure Data	Result	Note
Contrast Ratio (Center of screen)	1340.6	Pass	
White Luminance (Center of screen)	603.27	Pass	Unit: cd/m²

RGB Characteristic Test



Test Procedure	Result	Note
1. Burn in more than 30 min.	Pass	
2. Confirm adjust OSD settings : Brightness-> 350cd/m², Display Function-> CAL.DICOM.	Pass	
3. Confirm open Red/Green/Blue/White pattern, and the CA-410 to measure the screen five points.	Pass	
4. Record the Red(x, y), Green(x, y) Blue(x, y) and White(x, y) values of five points.	Pass	
5. Check that the x and y values meet the panel spec range.	Pass	

Test Condition

Applied Voltage	110V/60Hz	Test Software	DIVA Measure Tool	Resolution	1920x1080/60Hz
Brightness	350cd/m²	Display Function	CAL.DICOM	Color Temp.	6800K
Input Source Settings	DVI	Measure Sensor	CA-410	Measure Pattern	Red/Green/Blue/White screen

Test Spec

Color Coordinates	x , y	Spec(-0.03)	x	Spec(+0.03)	Spec(-0.03)	y	Spec(+0.03)
Red x , Red y	Rx , Ry	0.603	0.633	0.663	0.301	0.331	0.361
Green x , Green y	Gx , Gy	0.275	0.305	0.335	0.564	0.594	0.624
Blue x , Blue y	Bx ,By	0.125	0.155	0.185	0.030	0.060	0.090
White x , White y	Wx , Wy	0.283	0.313	0.343	0.299	0.329	0.359

Measurement Record

Color Coordinates	Position		Measure Data			Result	Note
			x	y	Y		
Red x : 0.663±0.03 Red y : 0.331±0.03	Red	Up-Left Corner	0.6351	0.3292	70.64	Pass	Unit: cd/m²
		Up-Right Corner	0.6362	0.3293	68.71	Pass	Unit: cd/m²
		Center	0.6358	0.3291	71.96	Pass	Unit: cd/m²
		Down-Left Corner	0.6345	0.3293	68.48	Pass	Unit: cd/m²
		Down-Right Corner	0.6355	0.3291	67.58	Pass	Unit: cd/m²
Color Coordinates	**Position**		**Measure Data**			**Result**	**Note**
			x	**y**	**Y**		
Green x: 0.305±0.03 Green y: 0.594±0.03	Green	Up-Left Corner	0.2966	0.5888	255.29	Pass	Unit: cd/m²
		Up-Right Corner	0.2972	0.5885	251.03	Pass	Unit: cd/m²
		Center	0.2969	0.5873	263.01	Pass	Unit: cd/m²
		Down-Left Corner	0.2971	0.5884	244.75	Pass	Unit: cd/m²
		Down-Right Corner	0.2986	0.5871	246.72	Pass	Unit: cd/m²
Color Coordinates	**Position**		**Measure Data**			**Result**	**Note**
			x	**y**	**Y**		
Blue x: 0.155±0.03 Blue y: 0.060±0.03	Blue	Up-Left Corner	0.1502	0.0487	18.97	Pass	Unit: cd/m²
		Up-Right Corner	0.1504	0.0473	18.54	Pass	Unit: cd/m²
		Center	0.1503	0.0475	19.79	Pass	Unit: cd/m²
		Down-Left Corner	0.1502	0.0478	18.24	Pass	Unit: cd/m²
		Down-Right Corner	0.1505	0.0481	18.52	Pass	Unit: cd/m²
Color Coordinates	**Position**		**Measure Data**			**Result**	**Note**
			x	**y**	**Y**		
White x: 0.313±0.03 White y: 0.329±0.03	White	Up-Left Corner	0.3113	0.3315	344.13	Pass	Unit: cd/m²
		Up-Right Corner	0.3097	0.3285	337.32	Pass	Unit: cd/m²
		Center	0.3089	0.3269	352.70	Pass	Unit: cd/m²
		Down-Left Corner	0.3111	0.3294	330.51	Pass	Unit: cd/m²
		Down-Right Corner	0.3114	0.3296	328.05	Pass	Unit: cd/m²

Color Temperature Test

Test Procedure	Result	Note
1. Burn in more than 30 min.	Pass	
2. Confirm OSD settings: Brightness-> 350cd/m², Display Function-> DICOM1/DIOCM2/DICOM3/DIOCM4/CAL.DICOM/PMS- TG3.	Pass	
3. Confirm open White pattern, and the Color Display Analyzer CA-410 to measure the screen center point.	Pass	
4. Record x, y and Y values for different color temperatures.	Pass	
5. Check that the x and y values meet the product spec range.	Pass	

Test Condition

Applied Voltage	110V/60Hz	Test Software	DIVA Measure Tool v2.0.8.10	Resolution	1920x1080/60Hz
Measure Sensor	CA-410	Brightness	350cd/m²	Input Source Settings	DVI
Display Function	DICOM1/DICOM2/DICOM3/DICOM4/CAL.DICOM/PMS-TG3				

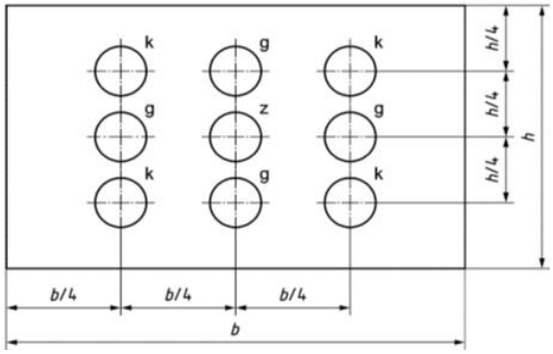
Test Spec

Color Temperature	x , y	Spec(-0.01)	x	Spec(+0.01)	Spec(-0.01)	y	Spec(+0.01)
6800K	x , y	0.298	0.308	0.318	0.315	0.325	0.335

Measurement Record

Display Function	Position	Measure Data			Result	Note
		x	y	Y		
DICOM1	Center	0.3084	0.3265	350.45	Pass	
DICOM2	Center	0.3083	0.3263	350.64	Pass	
DICOM3	Center	0.3083	0.3263	350.63	Pass	
DICOM4	Center	0.3083	0.3262	351.01	Pass	
CAL.DICOM	Center	0.3083	0.3258	351.51	Pass	
PMS-TG3	Center	0.3084	0.3260	351.65	Pass	

Luminance Uniformity DIN6868-157 Test



Test Procedure	Result	Note
1. Burn in more than 30 min.	Pass	
2. Confirm adjust OSD settings (Brightness: 350cd/m² , Display Function: CAL.DICOM)	Pass	
3. Confirm execute Measure Tool Uniformity DIN 6868-157 function and the Color Display Analyzer CA-410 to measure 9 points.	Pass	
4. Check that the luminance uniformity DIN6868-157 meet the spec range. (H< 25%)	Pass	

Test Condition

Measure Sensor	X-RiteiOne	**Test Software**	DIVA Measure Tool v2.0.8.10	**Resolution**	1920x1080/60Hz
Color Temp.	6800K	**Brightness**	350cd/m²	**Display Function**	CAL.DICOM
Input Source Settings	DVI	**Measure Pattern**	10%/80% Luminance (9 points)		

Test Spec

Luminance Uniformity DIN6868-157	H< 25% (9-points, 10%/80% Luminance)

Measurement Record

Pattern	10% Luminance						**Result**	**Pass**
1	2	3	4	5	6	7	8	9
2.44	2.45	2.40	2.33	2.47	2.35	2.26	2.29	2.33
Luminance Uniformity	**6.04**							
Pattern	80% Luminance						**Result**	**Pass**
1	2	3	4	5	6	7	8	9
198.78	203.57	201.07	194.73	205.54	199.12	191.79	194.19	196.34
Luminance Uniformity	**6.92**							

Stabilized Brightness Test

Test Procedure	Result	Note
1. Burn in more than 30 min.	Pass	
2. Confirm adjust OSD settings.	Pass	
3. Confirm open White pattern, and the Color Display Analyzer CA-410 to measure the screen center point.	Pass	
4. Record x, y and Y values for different color temperatures.	Pass	
5. Check that the x and y values match the product spec range.	Pass	

Test Condition

Measure Sensor	CA-410	Test Software	DIVA Measure Tool v2.0.8.10	Resolution	1920x1080/60Hz
Color Temp.	6800K	Brightness	250/300/350/400cd/m²	Input Source Settings	DVI
Display Function	DICOM1/DICOM2/DICOM3/DICOM4/CAL.DICOM/PMS-TG3/NATIVE MODE				

Test Spec

Test Item	Spec(-5%)	Luminance	Spec(+5%)
Brightness: 250cd/m²	237.5cd/m²	250cd/m²	262.5cd/m²
Brightness: 300cd/m²	285cd/m²	300cd/m²	315cd/m²
Brightness: 350cd/m²	332.5cd/m²	350cd/m²	367.5cd/m²
Brightness: 400cd/m²	380cd/m²	400cd/m²	420cd/m²

Measurement Record

Brightness	Display Function							Result
	NATIVE MODE	DICOM1	DICOM2	DICOM3	DICOM4	CAL.DICOM	PMS-TG3	
250cd/m²	N/A	N/A	N/A	N/A	N/A	249.27	N/A	Pass
300cd/m²	N/A	N/A	N/A	N/A	N/A	300.55	N/A	Pass
350cd/m² (Dsfault)	365.26	349.33	350.52	349.67	349.82	351.13	350.17	Pass
400cd/m²	N/A	N/A	N/A	N/A	N/A	397.94	N/A	Pass

3. EDID Burning Test

Test Engineer	Jack Lu	Date	2026/6/1	Stage	Result
				MP	PASS

Test Propose

Check that using the EDID burning tool and enabling DIVA Factory Automatic, the EDID Tool burning process works normally.

Evaluation Environment

Temperature	25°C±2°C
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel ® Core™ i5-6400 CPU @ 2.7GHz		
Graphics Card	NVIDIA GeForce GTX1080 -Driver 388.13		
O.S.	Windows 10 Pro - 64bit		
Test Equipment	EDID Burning Tool	N/A	N/A
Test Software	DIVA Factory Automatic Tool V 0.0.1.4	N/A	N/A

Stage Description

Description Of Change	DIVA Factory Automatic Tool V 0.0.1.4 Verification. 1. Calibration using the CA-410. 2. EDID burning function.

Evaluation Unit Level

LCD Module	AUO G238HAN01.3
F/W Version	260520R0V01
Power Board	PSU (24V10.41A,MDS-250APB24 AB,IC133 ST) (3ZAD24V1112)
Front Sensor Board	2AAD536R03V
Key Board	2AAD464R037
Main Board	2AAD536R138
USB Hub Board	2AAD462R03U
USB Type A Board	2AAD462R33U
Led Driver Board	2AAD482R03Q
Interface Signal	DVI/DP
Serial Number	D082552030001

Test Standard

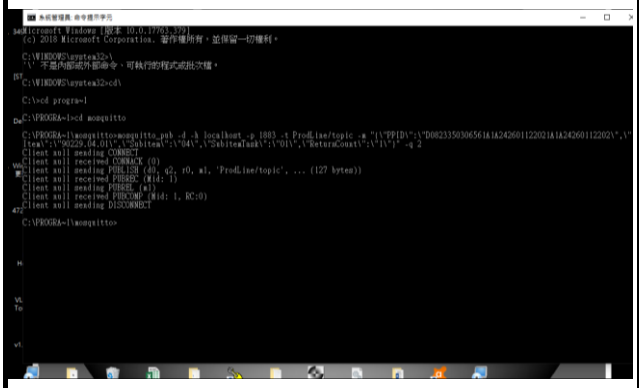
Calibration Software Test Specification

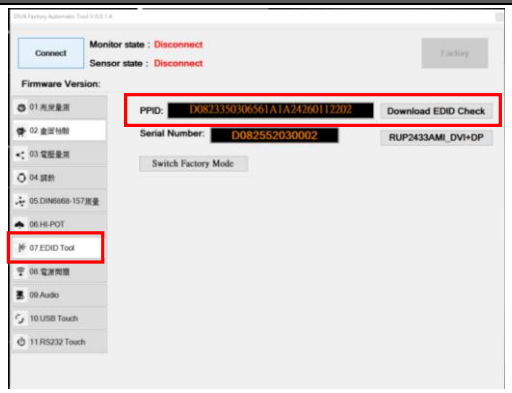
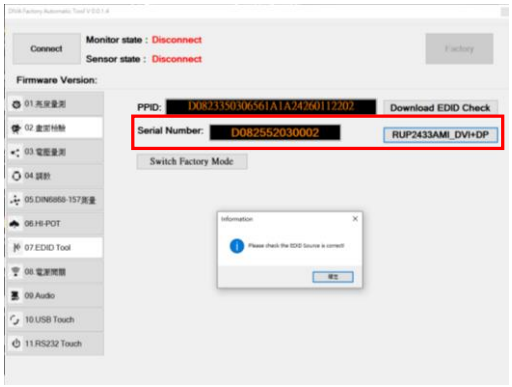
Criteria

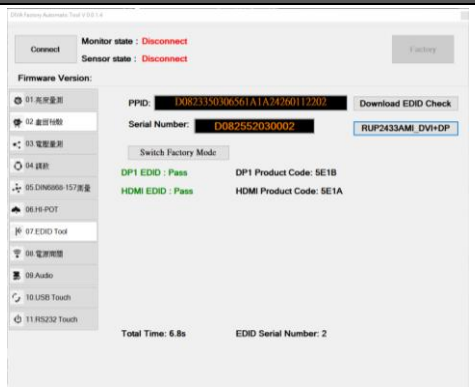
1. No any malfunctions.
2. Record all the abnormality.

EDID Burning Test					
Test Procedure				**Result**	**Note**
1. Confirm burn in more than 30min.				**Pass**	
2. Confirm the EDID Burning Tool connect the signal cable, USB cable, and Power Card to the PC and monitor.				**Pass**	
3. Confirm execute DIVA Factory Automatic Tool V 0.0.1.4 and select EDID Tool.				**Pass**	
4. Confirm select Download EDID Check and start EDID burning.				**Pass**	
5. After the test, check that execute AC Off/On and open the OSD menu to confirm that the product serial number is correct.				**Pass**	
Test Condition					
EDID Software	DIVA Factory Automatic Tool V 0.0.1.4	**Resolution**	1920x1080/60Hz(DP)		
Function Check				**Result**	**Note**
DIVA Factory Automatic Tool V 0.0.1.4 For EDID Tool	EDID Information Check	Check Model Name Information		**Pass**	
		Check FW Version Information		**Pass**	
		Check AC Power Off/On and Confirm Serisl Number Information		**Pass**	

PHOTO OF TEST

Before Test	Before Test (1)	Note
		

Test Condition	Test Condition (1)	Note
		

After Test		Note
		

EDID Information Check For Monitor Asset Manager	Note
