Product Verification Report

Product Name	**: RUP2433AMI_D**
Model Name	**: RUP2433AMI_D**
Product Stage	**: MP**
Product No.	**: 1A1A24260112201**
Revision	**: 0**

Prepared By ： _Jack Lu_ **Date：2026/07/09**

Approved by ： Rongchi_Liao **Date：2026/07/09**

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	2026/7/7	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	1. Modify PWM frequency from 200 Hz change to 240 Hz. 2. Add EDID load ddcci .command.

Evaluation Unit Level

LCD Module	AUO G238HAN01.3
F/W Version	250808R0V01
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	D082203050001

Test Standard

Calibration Software Test Specification

Criteria

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

Calibration Test

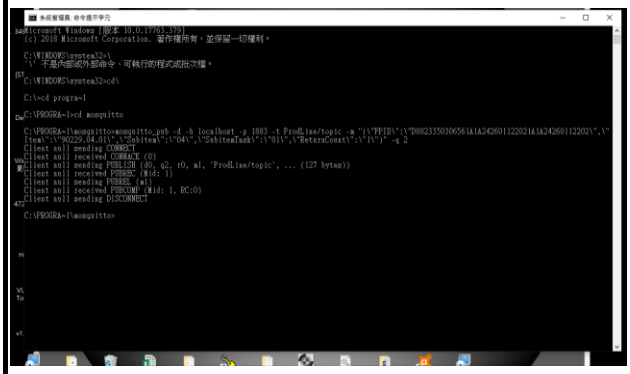
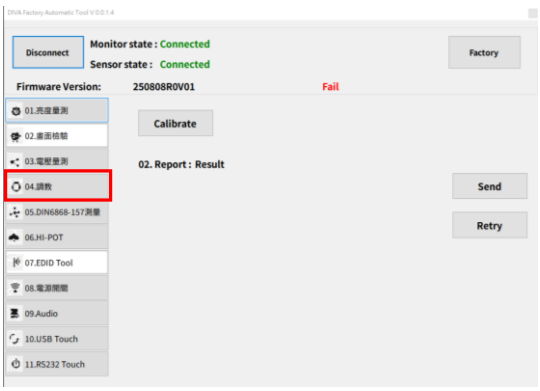
Test Procedure	Result	Note
1. Confirm burn in more than 30min.	Pass	
2. Confirm execute commands in Windows 10 OS system administrator	Pass	
3. Confirm execute DIVA Factory Automatic Tool V 0.0.1.4 and placed the CA-410 the center of the monitor to check test result.	Pass	
4. Confirm by pressing Calibration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

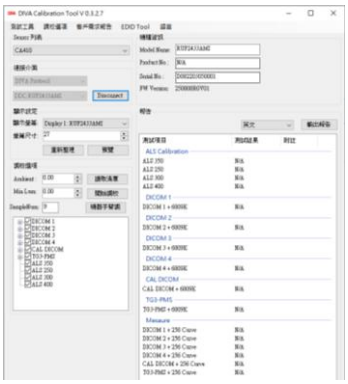
Test Condition

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	350.48581	Pass	
		ALS 250	251.82512	Pass	
		ALS 300	301.68402	Pass	
		ALS 400	402.05341	Pass	
		DICOM 1 + 6809K	1.948980614	Pass	
		DICOM 2 + 6809K	1.818208401	Pass	
		DICOM 3 + 6809K	1.790785243	Pass	
		DICOM 4 + 6809K	1.822670789	Pass	
		Calibration + 6809K	1.627774564	Pass	
		TG3-PMS + 6809K	1.701403486	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
		

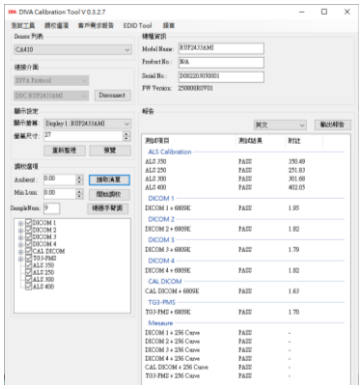
After Test		Note
		

PHOTO OF TEST

DIVA Calibration Test Result	Note

DIVA Calibration Report

Calibrate Date:	2026/07/07 12:35:28 - 2026/07/07 12:50:03		
Measuring Device:	CA410 , CA-P427 , 81003352		
Model Name:	RUP2433AMI	Serial Number:	D082203050001
Firmware Version:	250808R0V01	Software Version:	0.3.2.7

Summary

Calibration Item	Verification	Result:
ALS 350	350.48581	PASS
ALS 250	251.82512	PASS
ALS 300	301.68402	PASS
ALS 400	402.05341	PASS
DICOM 1 + 6809K	1.948980614	PASS
DICOM 2 + 6809K	1.818208401	PASS
DICOM 3 + 6809K	1.790785243	PASS
DICOM 4 + 6809K	1.822670789	PASS
CAL DICOM + 6809K	1.627774564	PASS
TG3-PMS + 6809K	1.701403486	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	2026/7/7	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	1.modify PMW frequency from 200 Hz change to 240 Hz. 2. Add EDID load ddcci .command.

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

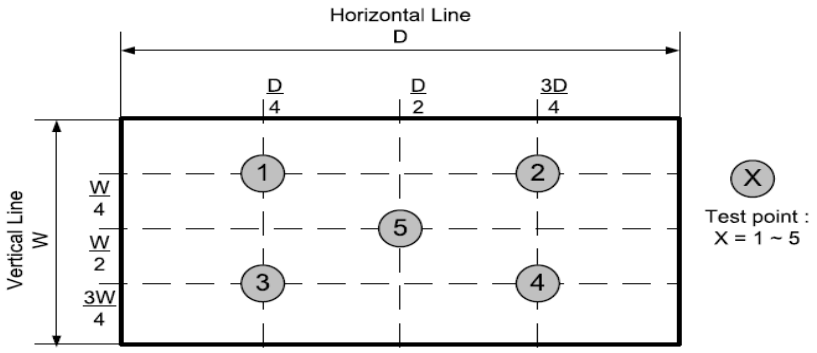
Engineer Product Specification / AUO G238HAN01.3 Panel Specification

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

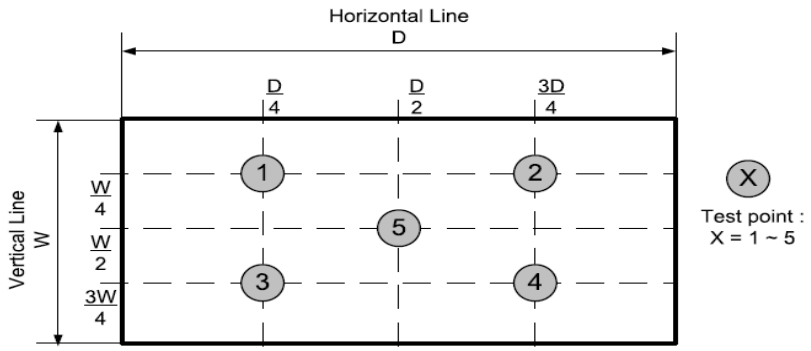
White Luminance (Center of screen)	500cd/m²(Min), 625cd/m²(Typ)
Contrast Ratio (Center of screen)	600(Min), 1000(Typ)

Measurement Record

Condition	Position	Measure Data			Result	Note
		x	y	Y		
White Pattern Brightness: MAX. Display Function: NATIVE	Up-Left Corner	0.2931	0.2902	566.89	Pass	Unit: cd/m²
	Up-Right Corner	0.2923	0.2889	567.97	Pass	Unit: cd/m²
	Center	0.2915	0.2870	588.12	Pass	Unit: cd/m²
	Down-Left Corner	0.2927	0.2881	556.22	Pass	Unit: cd/m²
	Down-Right Corner	0.2939	0.2894	552.96	Pass	Unit: cd/m²
Black Pattern	Center	0.2450	0.2203	0.45	Pass	Unit: cd/m²

Measurement Conclusion	Measure Data	Result	Note
Contrast Ratio (Center of screen)	1306.9	Pass	
White Luminance (Center of screen)	588.12	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-> DICOM1.	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	DICOM1	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 : 0.633±0.03 Red y : 0.331±0.03	Red	Up-Left Corner	0.6349	0.3295	69.82	Pass	Unit: cd/m²
		Up-Right Corner	0.6360	0.3296	67.84	Pass	Unit: cd/m²
		Center	0.6359	0.3294	71.81	Pass	Unit: cd/m²
		Down-Left Corner	0.6341	0.3297	67.95	Pass	Unit: cd/m²
		Down-Right Corner	0.6351	0.3296	66.63	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	0.2969	0.5884	252.11	Pass	Unit: cd/m²
		Up-Right Corner	0.2976	0.5879	249.64	Pass	Unit: cd/m²
		Center	0.2974	0.5870	261.34	Pass	Unit: cd/m²
		Down-Left Corner	0.2975	0.5881	242.82	Pass	Unit: cd/m²
		Down-Right Corner	0.2988	0.5867	238.39	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	0.1491	0.0486	18.61	Pass	Unit: cd/m²
		Up-Right Corner	0.1495	0.0472	18.39	Pass	Unit: cd/m²
		Center	0.1493	0.0475	19.54	Pass	Unit: cd/m²
		Down-Left Corner	0.1492	0.0477	17.93	Pass	Unit: cd/m²
		Down-Right Corner	0.1495	0.0480	17.79	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	0.3115	0.3322	339.08	Pass	Unit: cd/m²
		Up-Right Corner	0.3096	0.3287	335.01	Pass	Unit: cd/m²
		Center	0.3089	0.3272	349.96	Pass	Unit: cd/m²
		Down-Left Corner	0.3110	0.3295	327.54	Pass	Unit: cd/m²
		Down-Right Corner	0.3111	0.3296	321.46	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 V 2.0.8.10	Resolution	1920x1080/60Hz
Measure Sensor	CA-410	Brightness	350cd/m²	Input Source Settings	DVI
Display Function	DICOM1/DICOM2/DICOM3/DICOM4/CAL.DICOM/PMS-TG3				

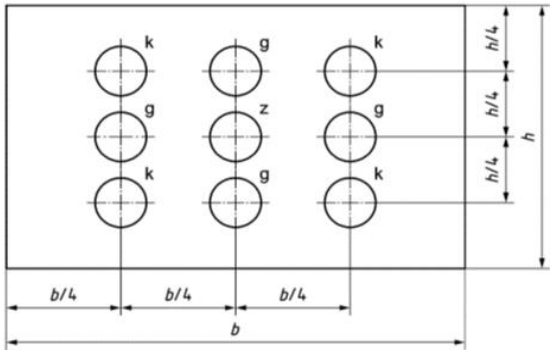
Test Spec

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	0.3089	0.3271	347.22	Pass	
DICOM2	Center	0.3089	0.3270	347.74	Pass	
DICOM3	Center	0.3087	0.3266	347.84	Pass	
DICOM4	Center	0.3086	0.3264	347.62	Pass	
CAL.DICOM	Center	0.3086	0.3261	348.35	Pass	
PMS-TG3	Center	0.3086	0.3261	348.23	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: DICOM1)	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	CA-410	**Test Software**	DIVA Measure Tool V 2.0.8.10	**Resolution**	1920x1080/60Hz
Color Temp.	6800K	**Brightness**	350cd/m²	**Display Function**	DICOM1
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
2.07	2.09	.2.03	1.99	2.13	2.00	1.93	1.94	1.95
Luminance Uniformity	**9.78**							
Pattern	80% Luminance						**Result**	**Pass**
1	2	3	4	5	6	7	8	9
149.77	153.62	150.82	145.90	154.17	149.28	143.26	144.47	145.98
Luminance Uniformity	**7.34**							

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 V 2.0.8.10	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	299.42	N/A	N/A	N/A	N/A	N/A	Pass
300cd/m²	N/A	299.03	N/A	N/A	N/A	N/A	N/A	Pass
350cd/m² (Default)	360.63	347.35	347.41	347.52	347.25	348.09	348.24	Pass
400cd/m²	N/A	400.68	N/A	N/A	N/A	N/A	N/A	Pass

3. EDID Burning Test

Test Engineer	Jack Lu	Date	2026/7/8	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	25ºC±2ºC
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 Box	N/A	N/A
Test Software	DIVA Factory Automatic Tool V 0.0.1.4	N/A	N/A

Stage Description

Description Of Change	1. Modify PWM frequency from 200 Hz change to 240 Hz. 2. Add EDID load ddcci .command.

Evaluation Unit Level

LCD Module	AUO G238HAN01.3
F/W Version	250808R0V01
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	D082203050001

Test Standard

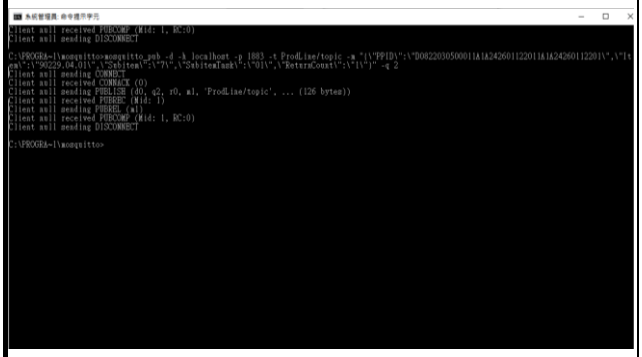
EDID Load Test Specification

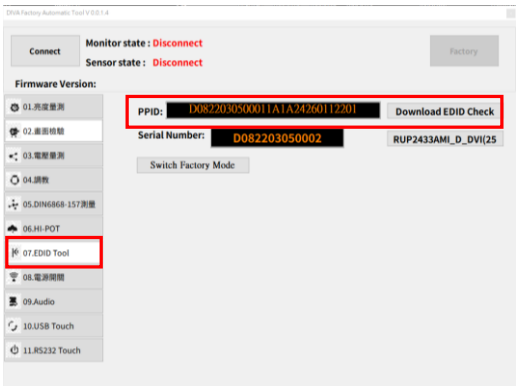
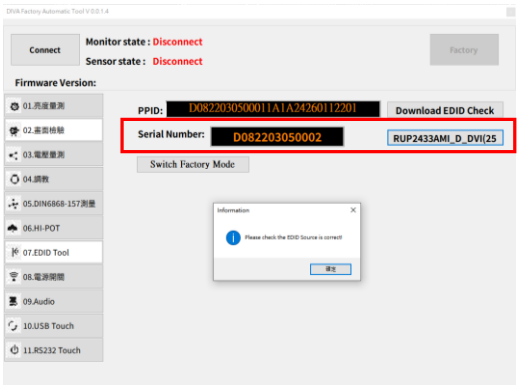
Criteria

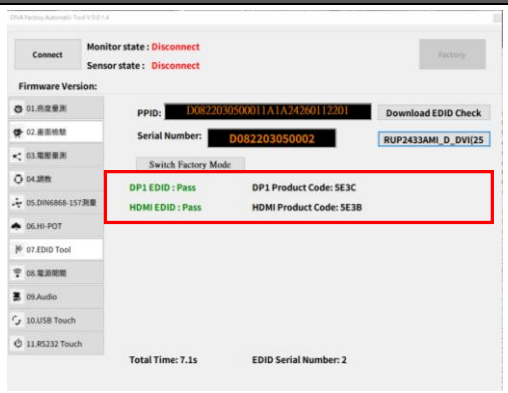
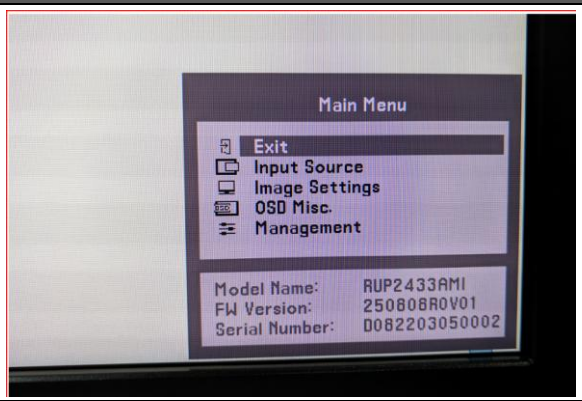
1. No any malfunctions.
2. Record all the abnormality.

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	**Source**	DP
Function Check				**Result**	**Note**
DIVA Factory Automatic Tool V 0.0.1.4 For EDID Tool	EDID Tool Check	Check Download EDID Check		**Pass**	
		Check Programming Serial Number		**Pass**	
		Check DIVA Factory Automatic Tool For EDID Tool -> DP1 EDID and HDMI EDID result.		**Pass**	
		Check AC Power Off/On and press the Key to open the OSD Menu and check the serial number.		**Pass**	

PHOTO OF TEST

Before Test	Before Test (1)	Note
		

Test Condition	Test Condition (1)	Note
		

After Test	After Test (1)	Note
		

EDID Information Check For Monitor Asset Manager	Note
