



TEST REPORT



Report No. : KES-EM241536

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KES Co., Ltd.

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1. Client

Applicant : Hanwha Vision Co., Ltd

Applicant Address : 6, Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

2. Sample Description

Product name : LED MONITOR

Model/Type No. : SMT-4344

Variant Model : -

Manufacturer : Weihai Daewoo Electronics Co., Ltd.

Manufacturer Address : No.26, Hongkong Road, Economic & Technical Development Zone, 264205 Weihai City, Shandong

3. Date of Receipt : May. 10, 2024

4. Test date : May. 16, 2024

5. Date of Issue : May. 29, 2024

6. Test Results : In Compliance

Tested by

Reviewed by

Seong Min, Jang
EMC Test Engineer

Dong Hun, Jang
EMC Technical Manager

This test report is not related to KS Q ISO/IEC 17025 and KOLAS.



REPORT REVISION HISTORY

Date	Test Report No.	Revision History
May. 29, 2024	KES-EM241536	Issued

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1.0 General Product Description

Main Specifications of EUT are:

SMT-4344		
Display		
Type		LED Monitor
Screen Size		43"
Max. Resolution		3840*2160 60Hz
Brightness		250 cd/m ² (Min), 300 cd/m ² (Typ)
Contrast Ratio		1000:1 (Min) 1200:1 (Typ)
Aspect Ratio		16:9
Viewing Angle (H/V)		178°/178°
Display Color		1.07G (8bits + FRC)
Response Time		8ms(Typ)
Video System		None
Panel Life		30,000 hours
Filter Type		None
Interface		
Video	Connectors	HDMI 2.0(2), DP 1.4(1), Two Windows (PIP/PBP)
Composite Video	Input	None
VGA	Connector	None
	Input Signal	None
	Available Format	None
HDMI	Connector	HDMI
	Available Format	640 x 480@60Hz, 800 x 600@56Hz/60Hz/72Hz/75Hz, 1024 x 768@60Hz/70Hz/75Hz, 1280 x 1024@60Hz/75Hz, 1440 x 900@60Hz, 1680 x 1050@60Hz, 1920 x 1080@50Hz/60Hz, 2560 x 1440@60Hz,'3840x2160@60Hz, 3840 x 2160P@30/50/60Hz, 720 x 480P60Hz, 1280 x 720P@50Hz, 720 x 576P@50Hz, 1920x1080P@50/60Hz, 1280 x 800@60Hz, 1280 x 960@60Hz, 1280 x 720@60Hz
DP	Connector	DP
	Available Format	640 x 480@60Hz, 800 x 600@56Hz/60Hz/72Hz/75Hz, 1024 x 768@60Hz/70Hz/75Hz, 1280 x 1024@60Hz/75Hz, 1440 x 900@60Hz, 1680 x 1050@60Hz, 1920 x 1080@50Hz/60Hz, 2560 x 1440@60Hz,'3840x2160@60Hz, 3840 x 2160P@30/50/60Hz, 720 x 480P60Hz, 1280 x 720P@50Hz, 720 x 576P@50Hz, 1920x1080P@50/60Hz, 1280 x 800@60Hz, 1280 x 960@60Hz, 1280 x 720@60Hz
Audio	Connector	Audio Out
	Output Signal	Speakers :8Ω, 6Wx2
Application Support		Remote Controller
On Screen Display		
Functions		VESA™ DPM Compatible
Language		Korean, English, Русский, Deutsch, Français, Español, Italiano, Português, Chinese (Simplified), Chinese (Traditional), Japanese, Arabic
General		
Electrical	Input Voltage	AC 100 ~ 240V(50/60Hz)
	Power Consumption	<80W
Environmental	Operating Temperature	0 ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	10% ~ 80% (non-condensing)
Mechanical	Dimensions with Stand (WxHxD)	967.0*637.2*236.7mm
	Dimensions without Stand (WxHxD)	967*560*73.5mm
	Weight	8.2Kg
	Protection Glass	None
	Cabinet Color	Black
	Wall Mounts	None
	VESA Mounts Interface	100*100mm /400*200mm



1.1 Test Voltage & Frequency

Unless indicated otherwise on the individual data sheet or test results, the test voltage and frequency was as indicated below.

☒ AC 120 V, 60 Hz

1.2 Variant Model Differences

Not applicable

1.3 Device Modifications

Not applicable

1.4 Equipment Under Test

Description	Model Number	Serial Number	Manufacturer	Remarks
LED MONITOR	SMT-4344	-	Weihai Daewoo Electronics Co., Ltd.	EUT
Reomte controller	-	-	Weihai Daewoo Electronics Co., Ltd.	-

1.5 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
PC	-	-	DELL	-
Keyboard	KB216t1	-	DELL	-
Mouse	MS116c Mouse	-	DELL	-
Headset	K550	-	Britz®	-

1.6 External I/O Cabling

■ HDMI, DisplayPort Mode

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
LED MONITOR (EUT)	IR	Remote controller	IR	-	-
	HDMI	PC	HDMI	1.4	S
	HDMI		HDMI	1.3	S
	DiplyPort		DiplyPort	1.4	S
	3.5 mm	Headset	3.5 mm	2.5	U
PC	USB A-type	Keyboard	USB A-type	1.8	U
	USB A-type	Mouse	USB A-type	1.6	U

* Unshielded=U, Shielded=S



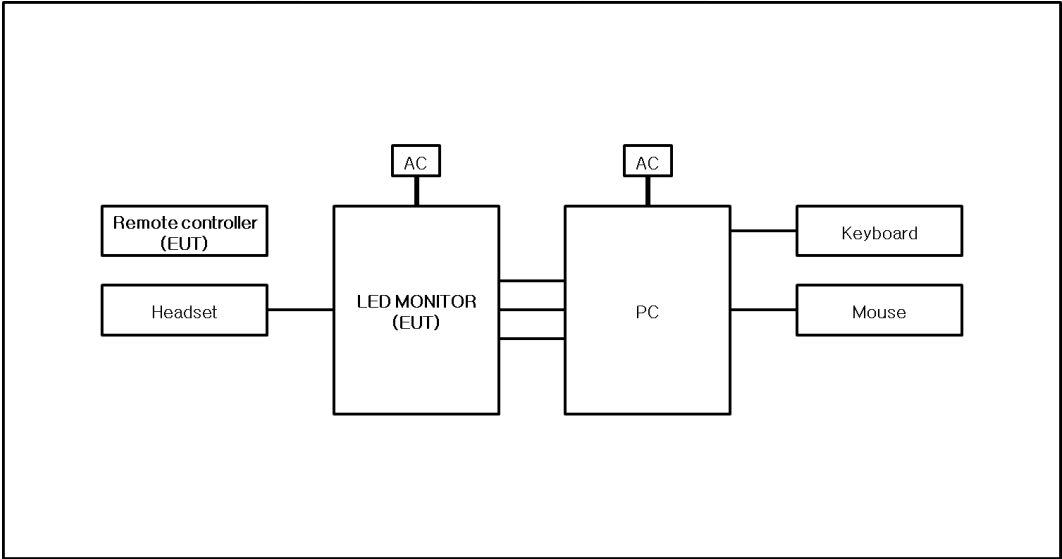
1.7 EUT Operating Mode(s)

Test mode	Normal operating
- HDMI, DisplayPort	Monitoring EUT during the Test

EUT Test operating S/W		
Name	Version	Manufacture Company
-	-	-

1.8 Configuration

■ HDMI, DisplayPort Mode



**1.9 Remarks when standards applied**

N/A

1.10 Calibration Details of Equipment Used for Measurement

Test equipment and test accessories are calibrated on regular basis. The maximum time between calibrations is one year or what is recommended by the manufacturer, whichever is less.

1.11 Test Facility

The measurement facility is located at 473-21, Gayeo-ro, Yeosu-si, Gyeonggi-do, 12658, Korea, Republic of. The sites are constructed in conformance with the requirements of ANSI C63.4a-2017 and CISPR 16-1-4:2019

1.12 Laboratory Accreditations and Listings

Country	Agency	Scope of Accreditation	Logo
KOREA	RRA	EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 KR0100
International	KOLAS	EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 KT489
USA	FCC	3 m & 10 m Semi-Anechoic Chamber Conducted test site to perform FCC Part 15/18 measurements.	 KR0100
Canada	ISED	3 m & 10 m Semi-Anechoic Chamber and Conducted test site	 23298
JAPAN	VCCI	EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site)	 C-20136, T-20137, R-20181, G-20176
Europe	TÜV SÜD	EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 CARAT 001633 0004



2.0 Test Regulations

The emissions tests were performed according to following regulations:

☒ **47 CFR Part 15, Subpart B**

☐ CISPR 22:2009 +A1:2010

☐ Class A

☐ Class B

☒ ANSI C63.4a-2017

☒ Class A

☐ Class B

☒ **IC Regulation ICES-003 Issue 7**

☐ CAN/CSA-CISPR 32:17

☐ Class A

☐ Class B

☒ ANSI C63.4a-2017

☒ Class A

☐ Class B





2.1 Conducted Emissions at Mains Power Ports

Test Date

May. 16, 2024

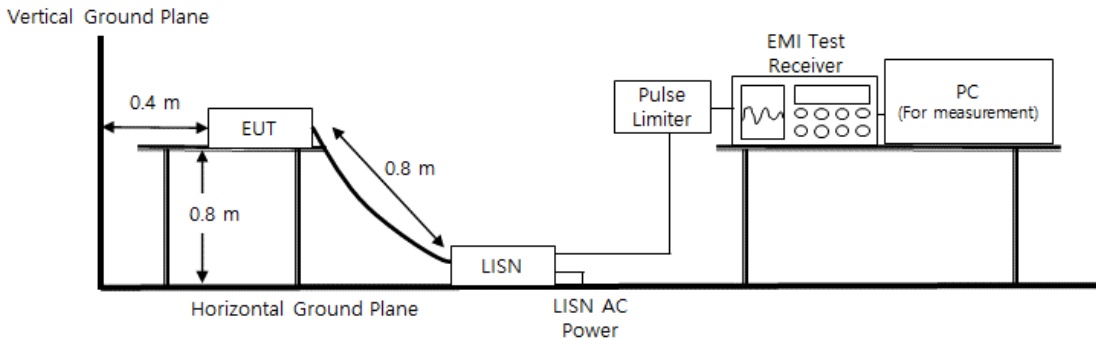
Test Location

Electro wave Shieldroom #6

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test S/W	EMC32	R & S	9.12.00	-
☒	EMI TEST RECEIVER	ESR3	R & S	101783	11, 08, 2024
☒	LISN	ENV216	R & S	101787	11, 08, 2024
☒	LISN	ESH2-Z5	R & S	100450	11, 08, 2024
☒	PULSE LIMITER	ESH3-Z2	R & S	101915	11, 08, 2024

Diagram of test setup





Test Conditions

Temperature: (22,6 ± 0,1) °C
Relative Humidity: (46,0 ± 0,1) % R.H.

Frequency Range of Measurement

150 kHz to 30 MHz

Instrument Settings

IF Band Width: 9 kHz

Test Results

The requirements are:

- ☒ PASS
- ☐ NOT PASS
- ☐ NOT APPLICABLE

Remarks

See Appendix A for test data.





2.2 Radiated Electric Field Emissions(Below 1 GHz)

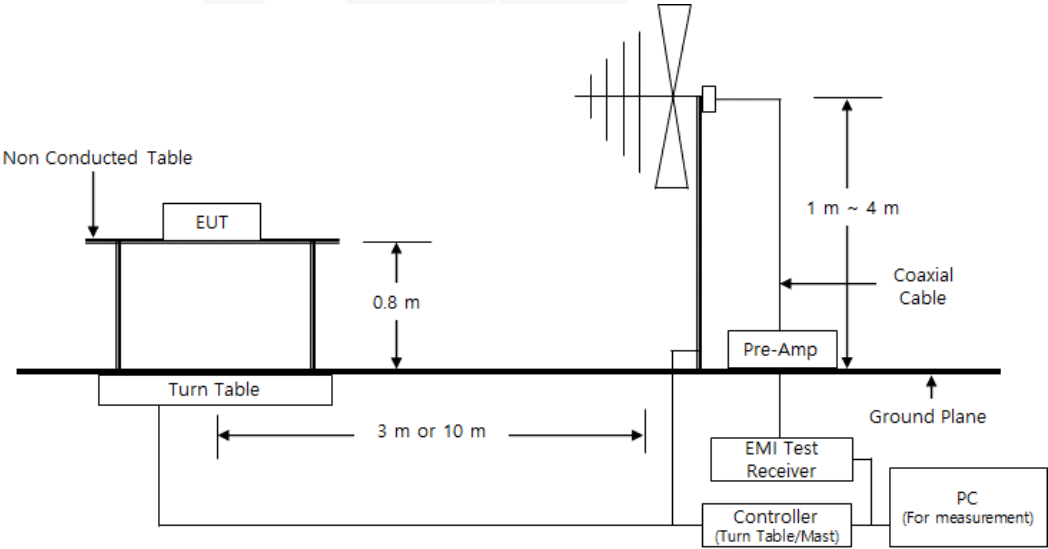
Test Date
May. 16, 2024

Test Location
☐ OPEN AREA TEST SITE #2 ☒ SEMI ANECHOIC CHAMBER #4(10m)

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test S/W	EP5/RE	TOYO Corporation	6.0.0	-
☒	EMI TEST RECEIVER	ESU26	R & S	100551	02, 13, 2025
☒	AMPLIFIER	SCU 01	R & S	100603	11, 08, 2024
☒	TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	715	11, 17, 2024
☒	ATTENUATOR	8491A	HP	32173	02, 13, 2025

Diagram of test setup





Test Conditions

Temperature: (22,6 ± 0,2) °C
Relative Humidity: (48,7 ± 0,1) % R.H.

Frequency Range of Measurement

30 MHz to 1 GHz

Instrument Settings

IF Band Width: 120 kHz

Test Results

The requirements are:

- ☒ PASS
- ☐ NOT PASS
- ☐ NOT APPLICABLE

Remarks

See Appendix A for test data.





2.3 Radiated Electric Field Emissions(Above 1 GHz)

Test Date

May. 16, 2024

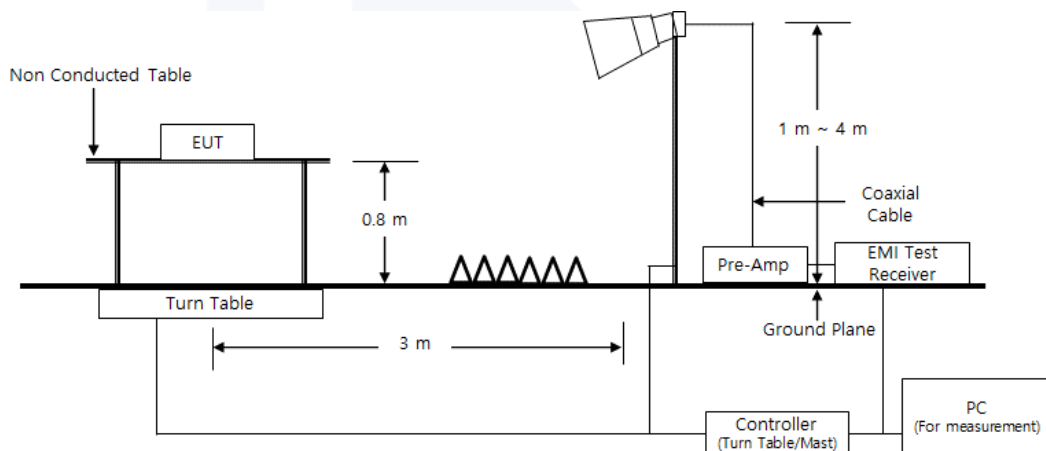
Test Location

SEMI ANECHOIC CHAMBER #5

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test SW	ES10/RE	TOYO Corporation	2022.01.000	-
☒	EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	02, 13, 2025
☒	HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1802	11, 03, 2024
☒	PREAMPLIFIER	8449B	HP	3008A00538	04, 30, 2025
☒	ATTENUATOR	8491B	HP	23094	02, 13, 2025

Diagram of test setup





Test Conditions

Temperature: (22,5 ± 0,2) °C
Relative Humidity: (48,6 ± 0,1) % R.H.

Frequency Range of Measurement

1 GHz to 6 GHz

Instrument Settings

IF Band Width: 1 MHz

Test Results

The requirements are:

- ☒ PASS
- ☐ NOT PASS
- ☐ NOT APPLICABLE

Remarks

See Appendix A for test data.





APPENDIX A – TEST DATA

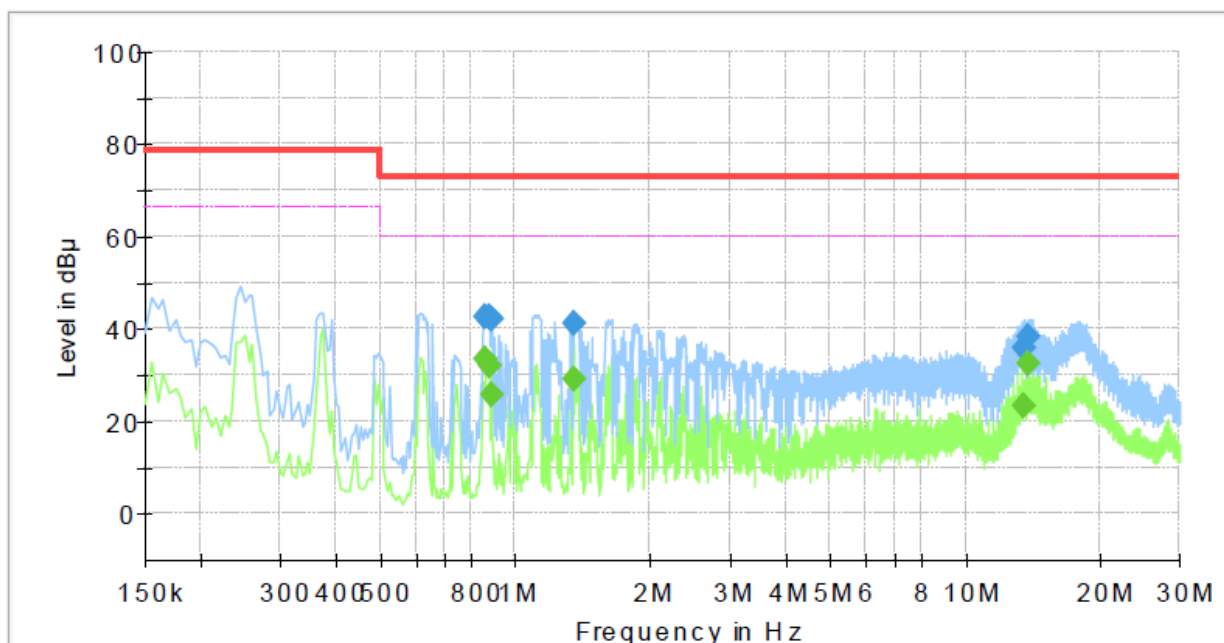
Conducted Emissions at Mains Power Ports

■ HDMI Mode

HOT LINE

Common Information

Test Description: Conducted Emission
Job No.: KES-EM241536
Phase: L1
Mode: HDMI
Operator Name: KES



Final Result

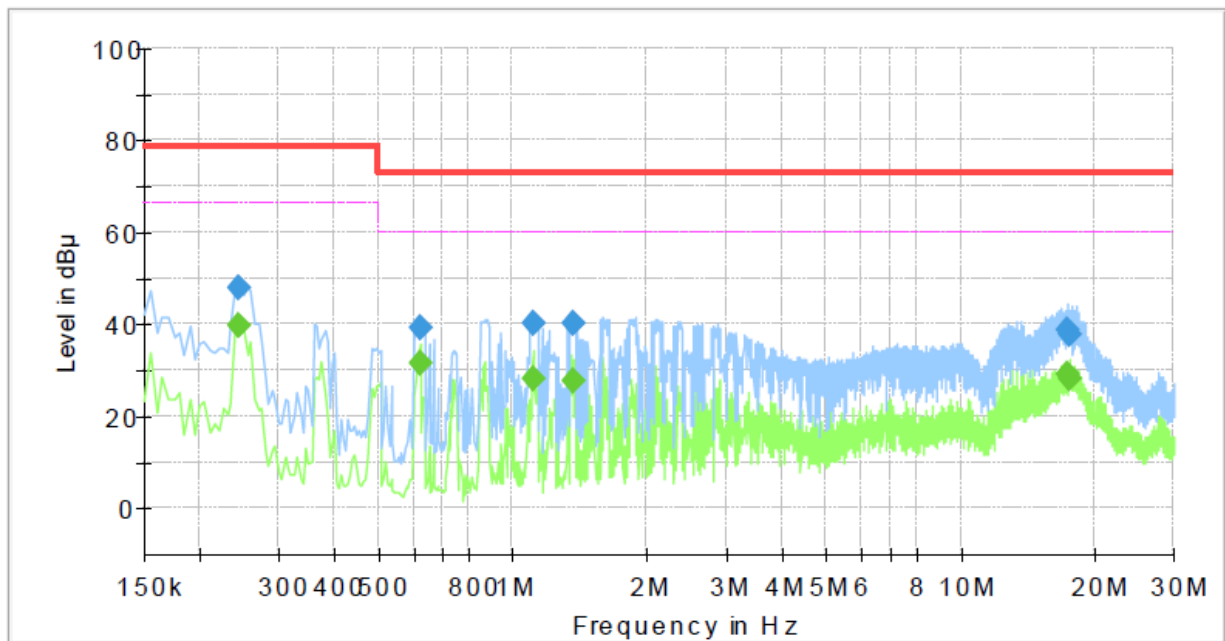
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.860000	---	33.46	60.00	26.54	1000.0	9.000	L1	19.4
0.860000	42.56	---	73.00	30.44	1000.0	9.000	L1	19.4
0.875000	---	31.93	60.00	28.07	1000.0	9.000	L1	19.4
0.875000	42.60	---	73.00	30.40	1000.0	9.000	L1	19.4
0.885000	---	25.58	60.00	34.42	1000.0	9.000	L1	19.4
0.885000	42.02	---	73.00	30.98	1000.0	9.000	L1	19.4
1.350000	---	29.23	60.00	30.77	1000.0	9.000	L1	19.5
1.350000	41.24	---	73.00	31.76	1000.0	9.000	L1	19.5
13.450000	---	23.49	60.00	36.51	1000.0	9.000	L1	20.1
13.450000	35.60	---	73.00	37.40	1000.0	9.000	L1	20.1
13.870000	---	32.46	60.00	27.54	1000.0	9.000	L1	20.1
13.870000	38.40	---	73.00	34.60	1000.0	9.000	L1	20.1



NEUTRAL LINE

Common Information

Test Description: Conducted Emission
Job No.: KES-EM241536
Phase: N
Mode: HDMI
Operator Name: KES

**Final Result**

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.245000	---	39.74	66.00	26.26	1000.0	9.000	N	19.3
0.245000	47.81	---	79.00	31.19	1000.0	9.000	N	19.3
0.620000	---	31.36	60.00	28.64	1000.0	9.000	N	19.4
0.620000	39.08	---	73.00	33.92	1000.0	9.000	N	19.4
1.110000	---	28.20	60.00	31.80	1000.0	9.000	N	19.5
1.110000	39.94	---	73.00	33.06	1000.0	9.000	N	19.5
1.365000	---	27.50	60.00	32.50	1000.0	9.000	N	19.5
1.365000	39.95	---	73.00	33.05	1000.0	9.000	N	19.5
17.325000	---	28.84	60.00	31.16	1000.0	9.000	N	20.2
17.325000	38.77	---	73.00	34.23	1000.0	9.000	N	20.2
17.475000	---	28.34	60.00	31.66	1000.0	9.000	N	20.2
17.475000	37.97	---	73.00	35.03	1000.0	9.000	N	20.2



■ DisplayPort Mode

HOT LINE

Common Information

Test Description:

Conducted Emission

Job No.:

KES-EM241536

Phase:

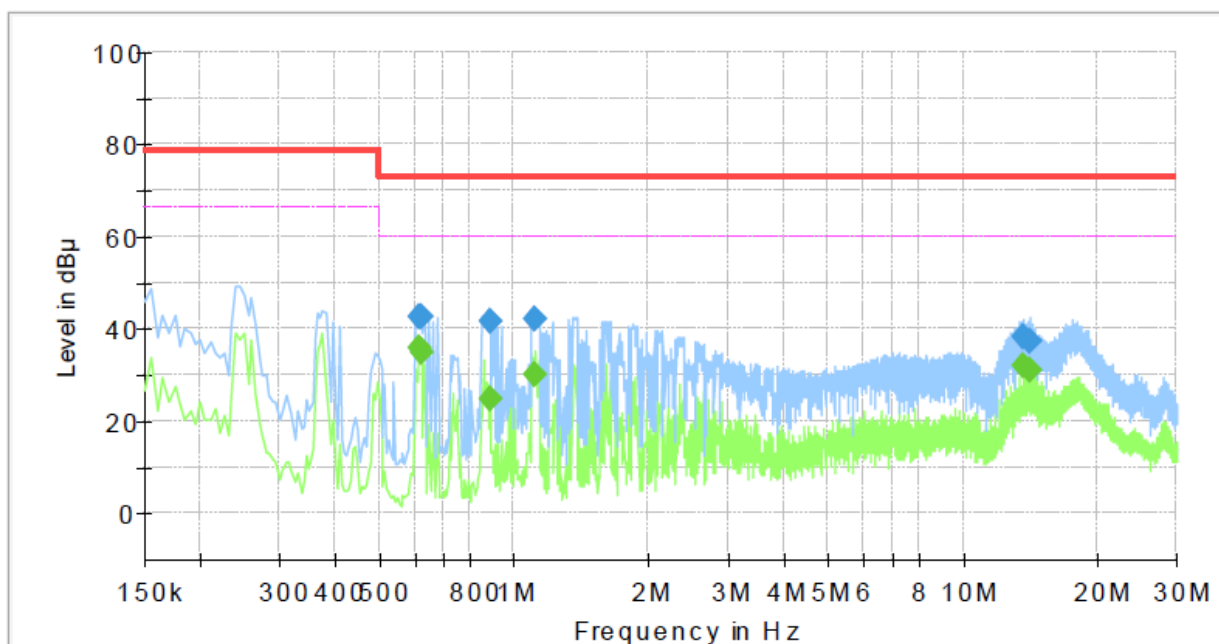
L1

Mode:

DisplayPort

Operator Name:

KES

**Final Result**

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.615000	---	35.70	60.00	24.30	1000.0	9.000	L1	19.4
0.615000	42.68	---	73.00	30.32	1000.0	9.000	L1	19.4
0.620000	---	34.94	60.00	25.06	1000.0	9.000	L1	19.4
0.620000	42.72	---	73.00	30.28	1000.0	9.000	L1	19.4
0.885000	---	24.54	60.00	35.46	1000.0	9.000	L1	19.4
0.885000	41.41	---	73.00	31.59	1000.0	9.000	L1	19.4
1.120000	---	29.93	60.00	30.07	1000.0	9.000	L1	19.5
1.120000	41.94	---	73.00	31.06	1000.0	9.000	L1	19.5
13.605000	---	32.10	60.00	27.90	1000.0	9.000	L1	20.1
13.605000	38.33	---	73.00	34.67	1000.0	9.000	L1	20.1
14.135000	---	30.83	60.00	29.17	1000.0	9.000	L1	20.1
14.135000	37.18	---	73.00	35.82	1000.0	9.000	L1	20.1



NEUTRAL LINE

Common Information

Test Description:

Conducted Emission

Job No.:

KES-EM241536

Phase:

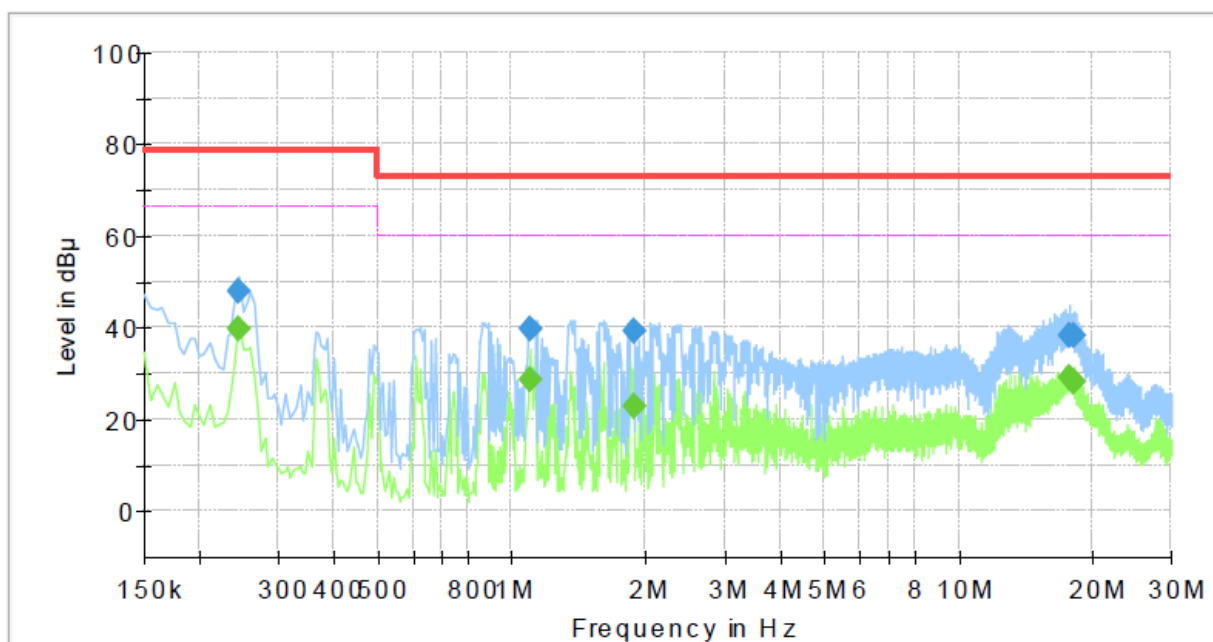
N

Mode:

DisplayPort

Operator Name:

KES

**Final Result**

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.245000	---	39.62	66.00	26.38	1000.0	9.000	N	19.3
0.245000	47.78	---	79.00	31.22	1000.0	9.000	N	19.3
1.100000	---	28.82	60.00	31.18	1000.0	9.000	N	19.5
1.100000	39.92	---	73.00	33.08	1000.0	9.000	N	19.5
1.875000	---	23.03	60.00	36.97	1000.0	9.000	N	19.5
1.875000	39.02	---	73.00	33.98	1000.0	9.000	N	19.5
17.790000	---	28.95	60.00	31.05	1000.0	9.000	N	20.2
17.790000	38.35	---	73.00	34.65	1000.0	9.000	N	20.2
18.095000	---	28.33	60.00	31.67	1000.0	9.000	N	20.2
18.095000	38.18	---	73.00	34.82	1000.0	9.000	N	20.2

♦ Calculation

$$\text{QuasiPeak [dB}\mu\text{V]} / \text{CAverage [dB}\mu\text{V]} = \text{Reading Value [dB}\mu\text{V]} + \text{Corr. [dB]}$$

QuasiPeak / CAverage : The Final Value

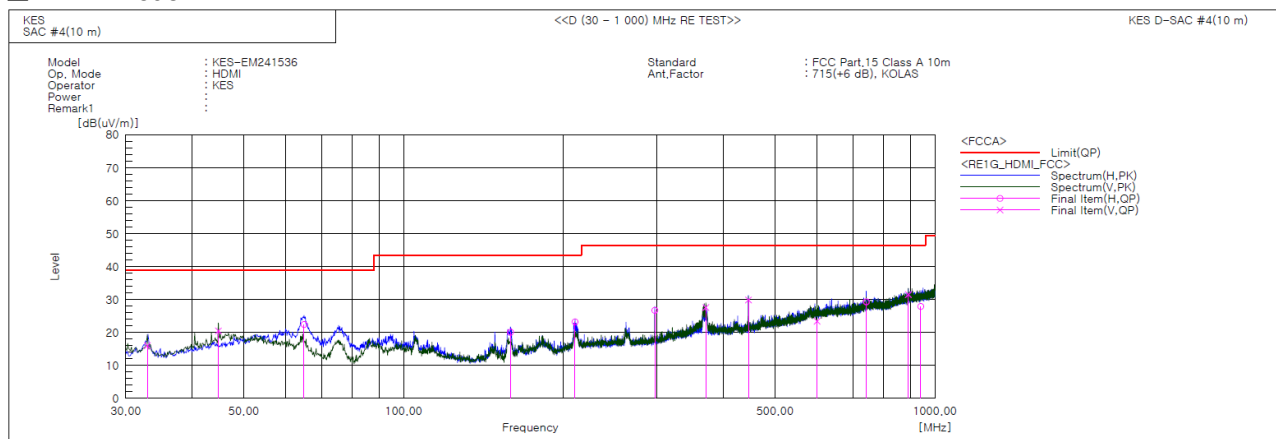
Reading Value : Not shown in the table.

Corr. : Correction values (LISN FACTOR + (Cable Loss + Pulse Limiter FACTOR))

**Radiated Electric Field Emissions(Below 1 GHz)**

- 47 CFR Part 15, Subpart B

■ HDMI Mode

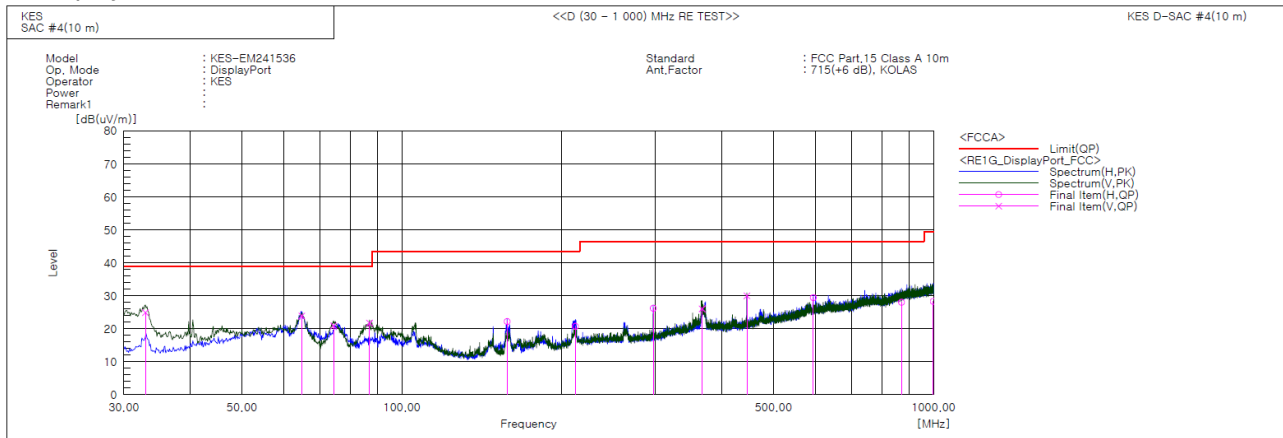


Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	32.910	V	41.2	-25.2	16.0	39.0	23.0	102.0	100.0	
2	44.793	V	42.1	-21.6	20.5	39.0	18.5	106.0	338.0	
3	64.920	H	45.7	-23.3	22.4	39.0	16.6	386.0	202.0	
4	158.889	H	45.0	-24.9	20.1	43.5	23.4	400.0	189.0	
5	210.178	H	43.2	-20.0	23.2	43.5	20.3	398.0	178.0	
6	296.993	H	44.3	-17.6	26.7	46.5	19.8	397.0	123.0	
7	370.470	V	42.0	-14.4	27.6	46.5	18.9	103.0	187.0	
8	445.524	V	42.8	-12.9	29.9	46.5	16.6	106.0	66.0	
9	599.996	V	31.4	-8.0	23.4	46.5	23.1	400.0	284.0	
10	742.586	H	34.6	-5.3	29.3	46.5	17.2	110.0	120.0	
11	891.118	V	34.7	-3.2	31.5	46.5	15.0	100.0	70.0	
12	940.345	H	30.7	-2.8	27.9	46.5	18.6	100.0	336.0	



■ DisplayPort Mode



Final Result

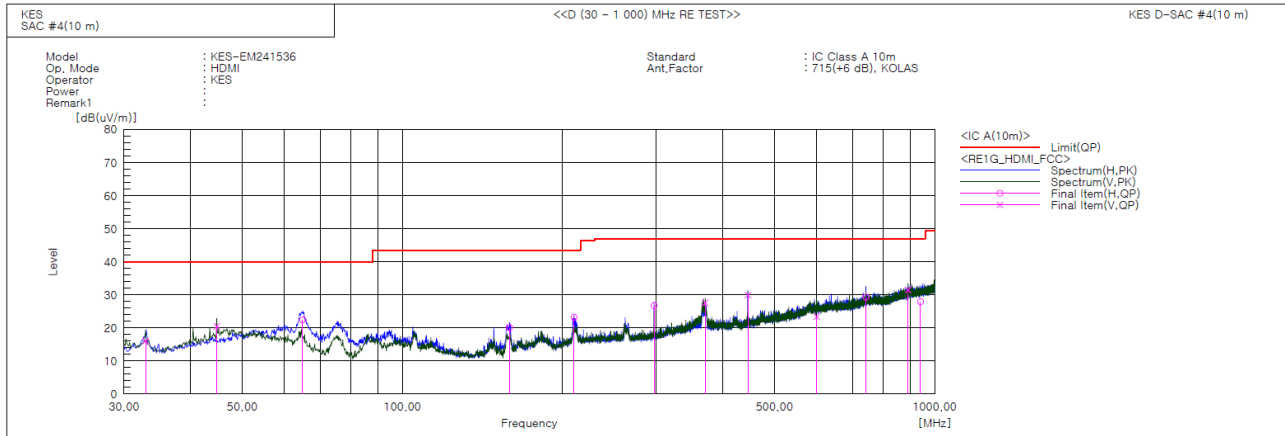
No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	32.910	V	50.1	-25.2	24.9	39.0	14.1	102.0	84.0	
2	64.799	V	47.2	-23.3	23.9	39.0	15.1	100.0	267.0	
3	74.378	V	47.5	-26.6	20.9	39.0	18.1	110.0	162.0	
4	86.866	V	47.2	-25.5	21.7	39.0	17.3	100.0	158.0	
5	157.798	H	47.1	-24.9	22.2	43.5	21.3	396.0	218.0	
6	212.118	H	40.6	-19.9	20.7	43.5	22.8	385.0	154.0	
7	296.993	H	43.8	-17.6	26.2	46.5	20.3	398.0	120.0	
8	366.833	V	40.5	-14.5	26.0	46.5	20.5	107.0	202.0	
9	445.524	V	42.9	-12.9	30.0	46.5	16.5	123.0	61.0	
10	594.055	H	37.5	-8.1	29.4	46.5	17.1	384.0	127.0	
11	870.626	H	31.5	-3.5	28.0	46.5	18.5	398.0	113.0	
12	998.666	H	30.0	-1.7	28.3	49.5	21.2	400.0	57.0	



Report No. : KES-EM241536

- IC Regulation ICES-003 Issue 7

■ HDMI Mode

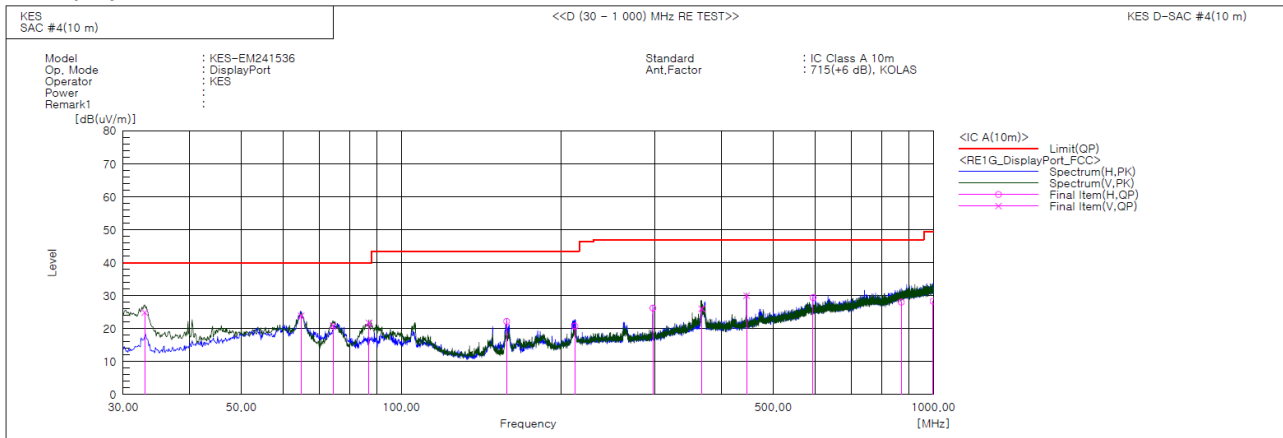


Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	32.910	V	41.2	-25.2	16.0	40.0	24.0	102.0	100.0	
2	44.793	V	42.1	-21.6	20.5	40.0	19.5	106.0	338.0	
3	64.920	H	45.7	-23.3	22.4	40.0	17.6	386.0	202.0	
4	158.889	H	45.0	-24.9	20.1	43.5	23.4	400.0	189.0	
5	210.178	H	43.2	-20.0	23.2	43.5	20.3	398.0	178.0	
6	296.993	H	44.3	-17.6	26.7	47.0	20.3	397.0	123.0	
7	370.470	V	42.0	-14.4	27.6	47.0	19.4	103.0	187.0	
8	445.524	V	42.8	-12.9	29.9	47.0	17.1	106.0	66.0	
9	599.996	V	31.4	-8.0	23.4	47.0	23.6	400.0	284.0	
10	742.586	H	34.6	-5.3	29.3	47.0	17.7	110.0	120.0	
11	891.118	V	34.7	-3.2	31.5	47.0	15.5	100.0	70.0	
12	940.345	H	30.7	-2.8	27.9	47.0	19.1	100.0	336.0	



■ DisplayPort Mode



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	32.910	V	50.1	-25.2	24.9	40.0	15.1	102.0	84.0	
2	64.799	V	47.2	-23.3	23.9	40.0	16.1	100.0	267.0	
3	74.378	V	47.5	-26.6	20.9	40.0	19.1	110.0	162.0	
4	86.866	V	47.2	-25.5	21.7	40.0	18.3	100.0	158.0	
5	157.798	H	47.1	-24.9	22.2	43.5	21.3	396.0	218.0	
6	212.118	H	40.6	-19.9	20.7	43.5	22.8	385.0	154.0	
7	296.993	H	43.8	-17.6	26.2	47.0	20.8	398.0	120.0	
8	366.833	V	40.5	-14.5	26.0	47.0	21.0	107.0	202.0	
9	445.524	V	42.9	-12.9	30.0	47.0	17.0	123.0	61.0	
10	594.055	H	37.5	-8.1	29.4	47.0	17.6	384.0	127.0	
11	870.626	H	31.5	-3.5	28.0	47.0	19.0	398.0	113.0	
12	998.666	H	30.0	-1.7	28.3	49.5	21.2	400.0	57.0	

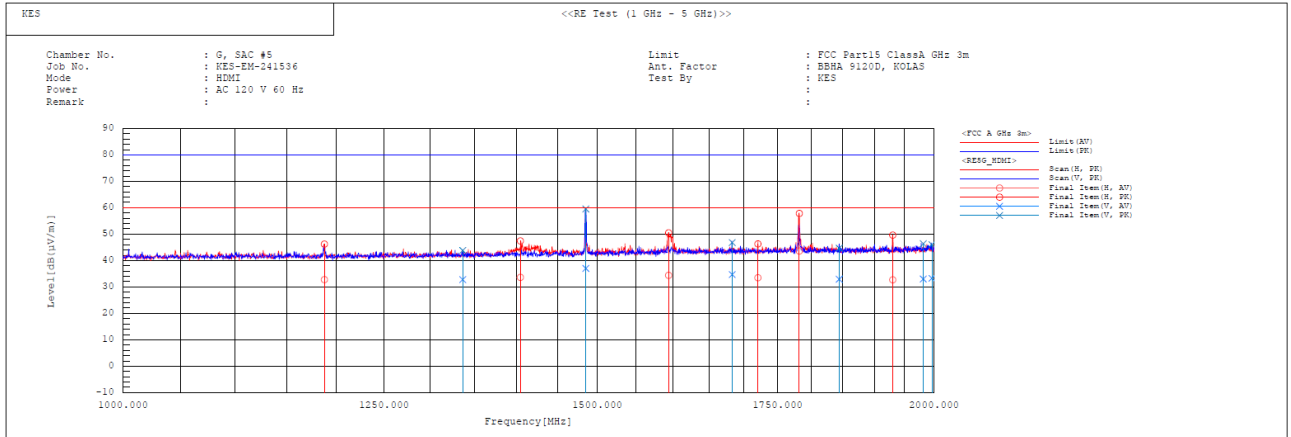
◆ Calculation

Result(QP) [dB(μV/m)] = (Reading(QP)[dB(μV)] + c.f[dB(1/m)])

Margin(QP)[dB] = Limit[dB(μV/m)] - Result(QP) [dB(μV/m)]

Reading(QP) : Reading value, Result(QP) : Reading value + Factor value

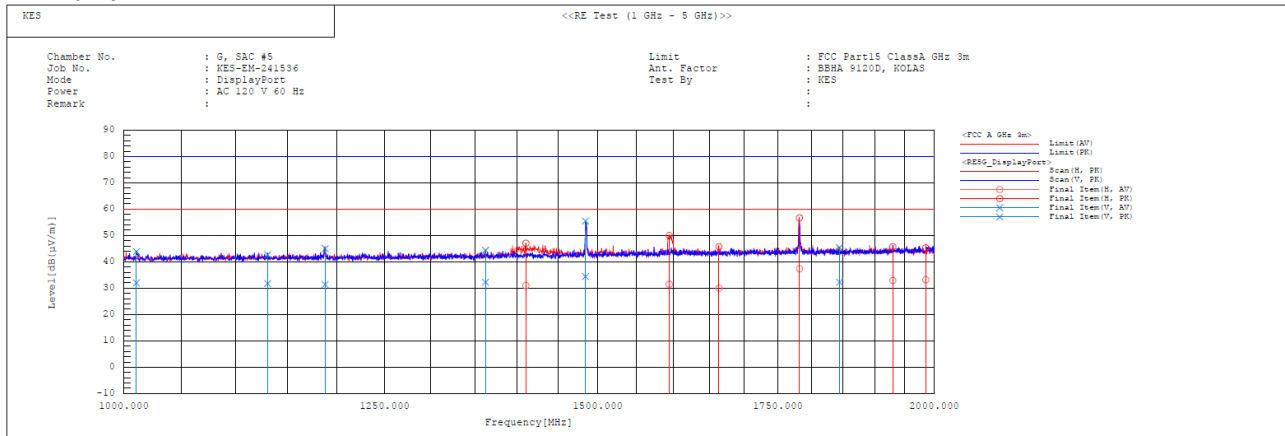
Limit(QP) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value

**Radiated Electric Field Emissions(Above 1 GHz)****HDMI Mode**

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c.f [dB(l/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]	Remark
1	1187.621	H	33.3	46.7	-0.5	32.8	46.2	60.0	80.0	27.2	33.8	100.0	36.1	
2	1336.679	V	32.5	43.5	0.3	32.8	43.8	60.0	80.0	27.2	36.2	100.0	247.6	
3	1404.203	H	33.0	46.8	0.6	33.6	47.4	60.0	80.0	26.4	32.6	100.0	38.8	
4	1484.962	V	36.0	58.5	1.0	37.0	59.5	60.0	80.0	23.0	20.5	106.0	38.4	
5	1593.963	H	32.9	49.0	1.5	34.4	50.5	60.0	80.0	25.6	29.5	112.0	51.0	
6	1682.788	V	32.8	44.9	1.9	34.7	46.8	60.0	80.0	25.3	33.2	106.0	336.4	
7	1720.400	H	31.5	44.3	2.0	33.5	46.3	60.0	80.0	26.5	33.7	336.0	58.4	
8	1782.303	H	41.3	55.5	2.3	43.6	57.8	60.0	80.0	16.4	22.2	212.0	338.1	
9	1844.000	V	30.4	42.2	2.5	32.9	44.7	60.0	80.0	27.1	35.3	123.0	348.3	
10	1930.332	H	29.7	46.6	3.0	32.7	49.6	60.0	80.0	27.3	30.4	108.0	326.1	
11	1981.475	V	29.8	43.2	3.2	33.0	46.4	60.0	80.0	27.0	33.6	163.0	351.3	
12	1995.998	V	30.0	42.7	3.3	33.3	46.0	60.0	80.0	26.7	34.0	112.0	115.5	



■ DisplayPort Mode



Final Result

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result AV [dB(μV/m)]	Result PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin AV [dB]	Margin PK [dB]	Height [cm]	Angle [deg]	Remark
1	1010.800	V	33.5	45.4	-1.5	32.0	43.9	60.0	80.0	28.0	36.1	132.0	340.2	
2	1130.884	V	32.6	43.5	-0.8	31.8	42.7	60.0	80.0	28.2	37.3	105.0	235.1	
3	1187.974	V	31.9	45.5	-0.5	31.4	45.0	60.0	80.0	28.6	35.0	101.0	32.1	
4	1362.400	V	31.8	44.0	0.4	32.2	44.4	60.0	80.0	27.8	35.6	101.0	207.4	
5	1410.216	H	30.3	46.4	0.7	31.0	47.1	60.0	80.0	29.0	32.9	107.0	59.1	
6	1484.123	V	33.5	54.5	1.0	34.5	55.5	60.0	80.0	25.5	24.5	102.0	44.9	
7	1594.078	H	30.0	48.5	1.5	31.5	50.0	60.0	80.0	28.5	30.0	316.0	45.4	
8	1663.290	H	28.2	43.9	1.8	30.0	45.7	60.0	80.0	30.0	34.3	356.0	333.4	
9	1781.971	H	35.2	54.5	2.2	37.4	56.7	60.0	80.0	22.6	23.3	104.0	346.7	
10	1844.050	V	29.8	42.9	2.5	32.3	45.4	60.0	80.0	27.7	34.6	153.0	283.1	
11	1930.000	H	29.9	42.7	3.0	32.9	45.7	60.0	80.0	27.1	34.3	100.0	308.6	
12	1985.298	H	30.0	42.1	3.2	33.2	45.3	60.0	80.0	26.8	34.7	226.0	96.5	

◆ Calculation

Result(PK/CAV) [dB(μV/m)] = (Reading(PK/CAV)[dB(μV)] + c.f[dB(1/m)])

Margin(PK/CAV)[dB] = Limit[dB(μV/m)] - Result(PK/CAV) [dB(μV/m)]

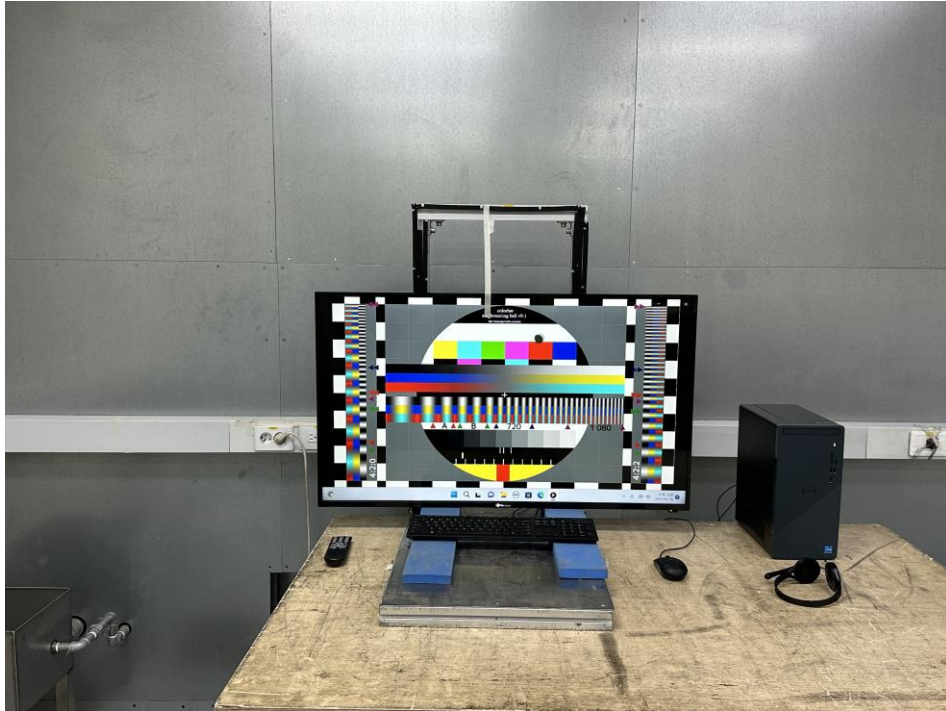
Reading(PK/CAV) : Reading value, Result(PK/CAV) : Reading value + Factor value

Limit(QP) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value



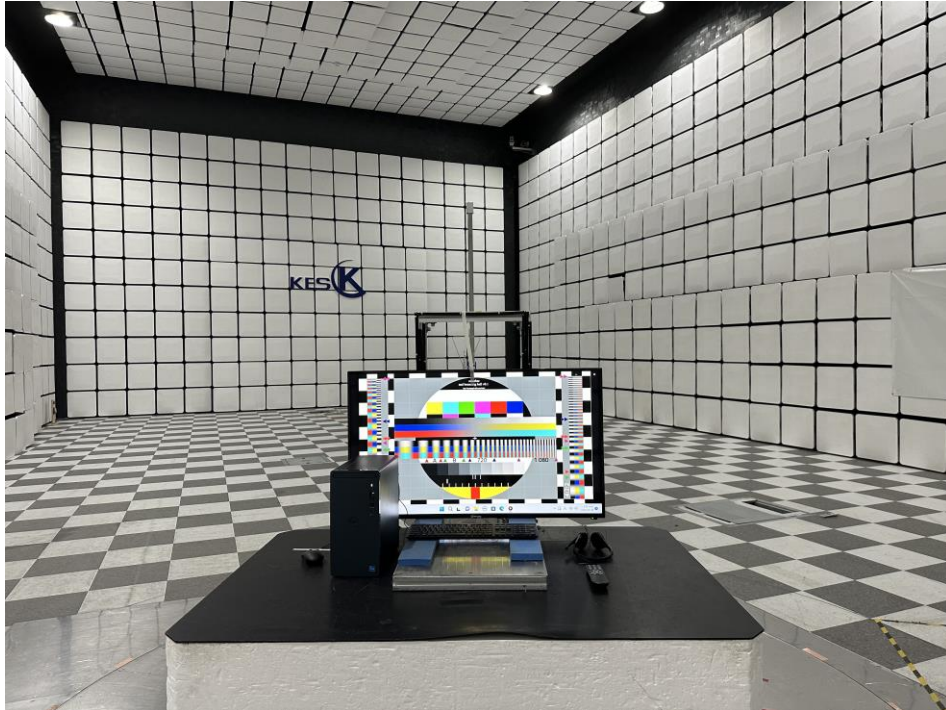
Test Setup Photos and Configuration

Conducted Emissions at Mains Power Ports



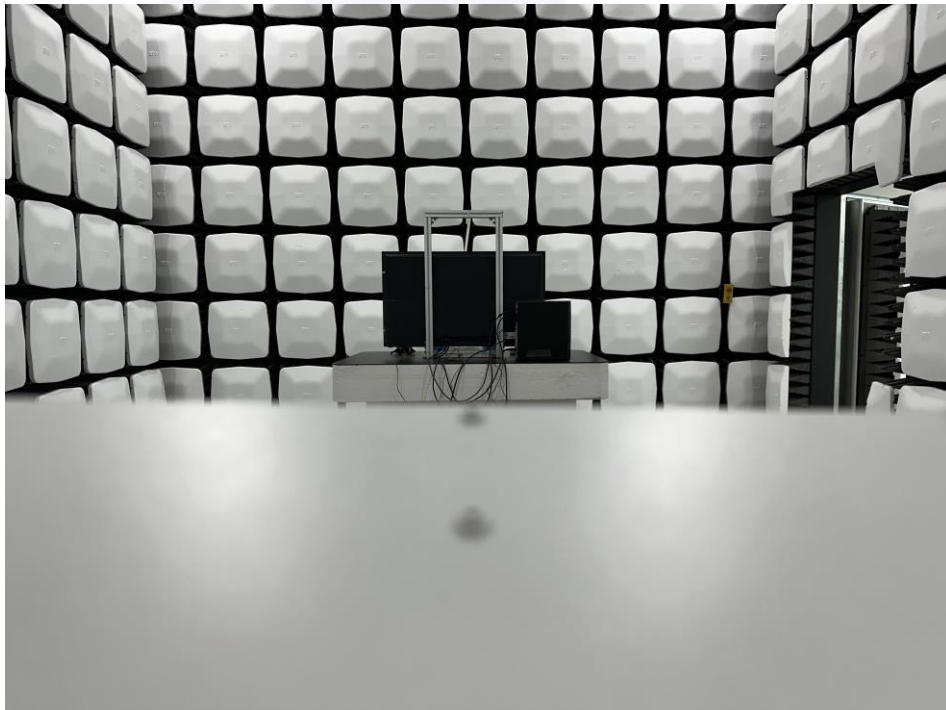


Radiated Electric Field Emissions(Below 1 GHz)





Radiated Electric Field Emissions(Above 1 GHz)





EUT External Photographs

(Top)



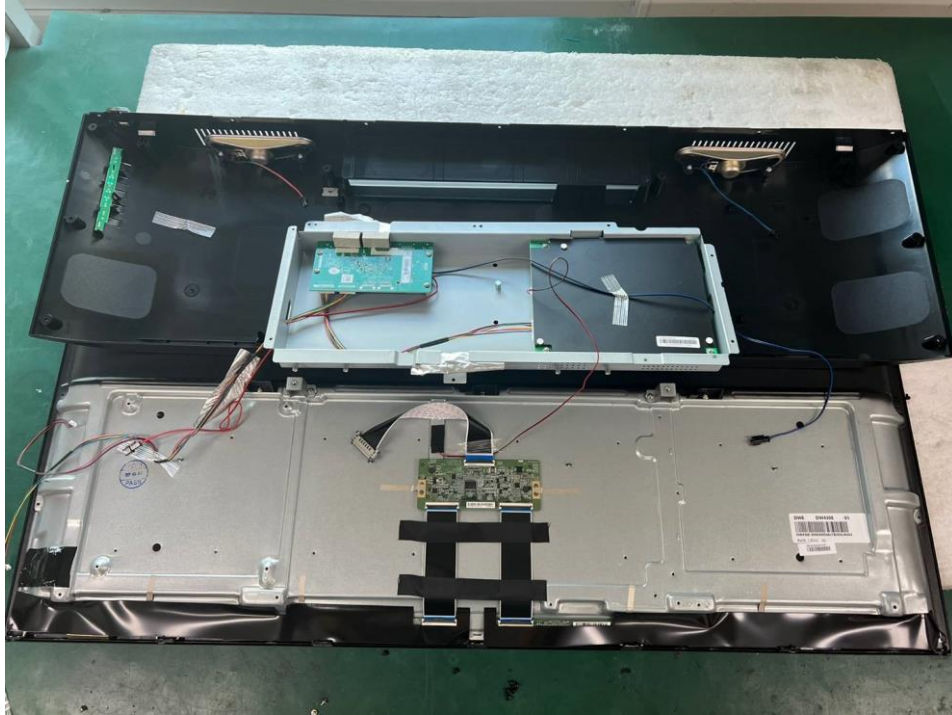
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EUT Internal Photographs

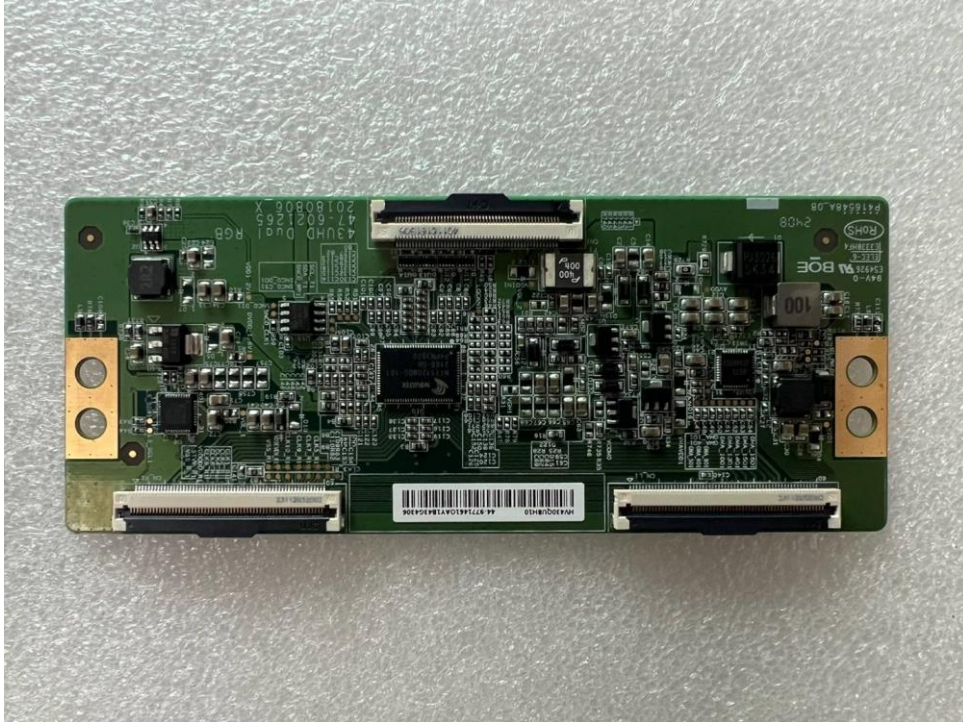
(Internal View)



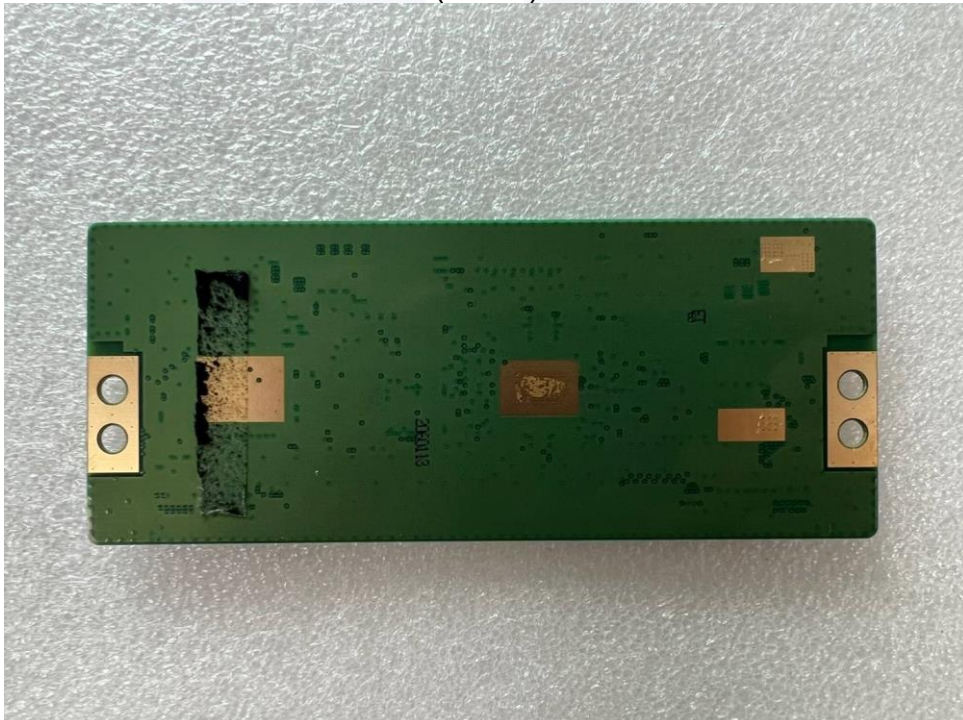


EUT Internal View – Board 1

(Top)



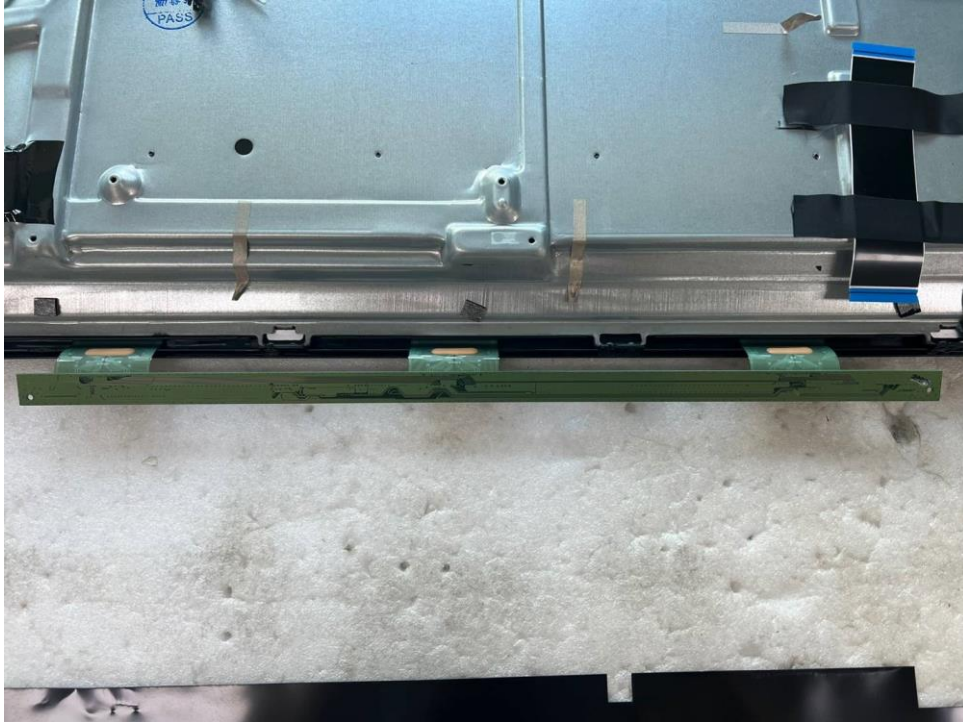
(Bottom)





EUT Internal View – Board 2

(Top)



(Bottom)





EUT Internal View – Board 3

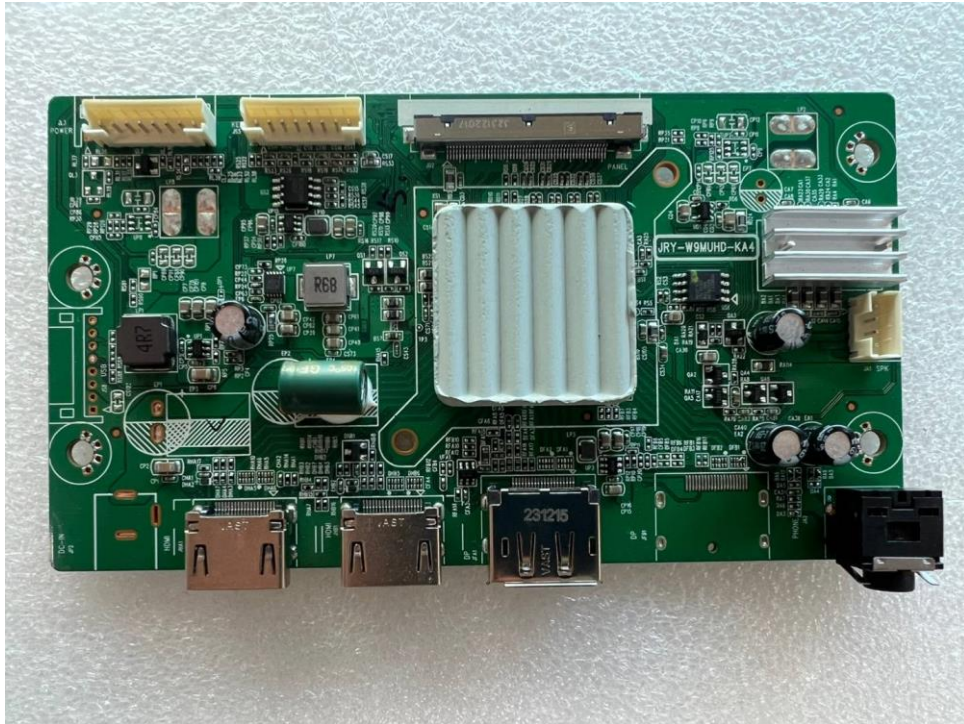
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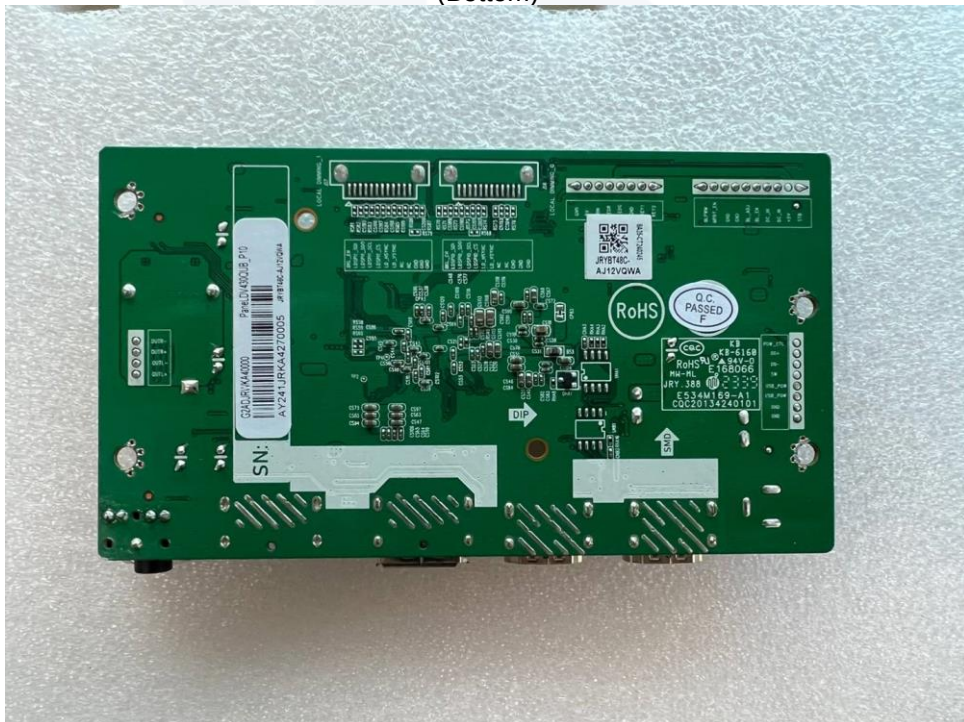


EUT Internal View – Board 4

(Top)



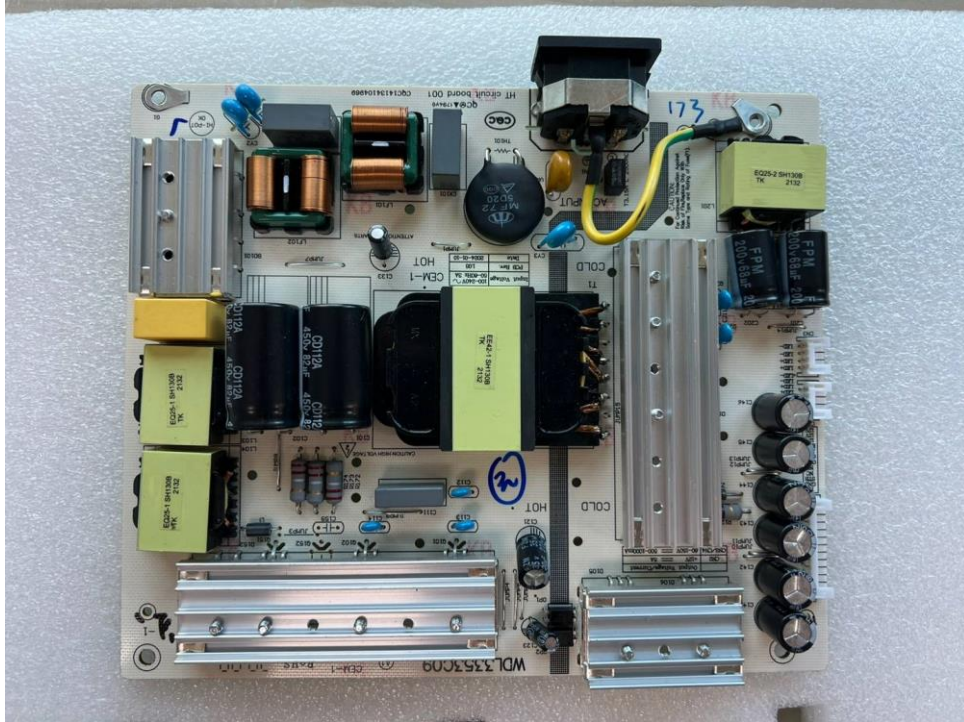
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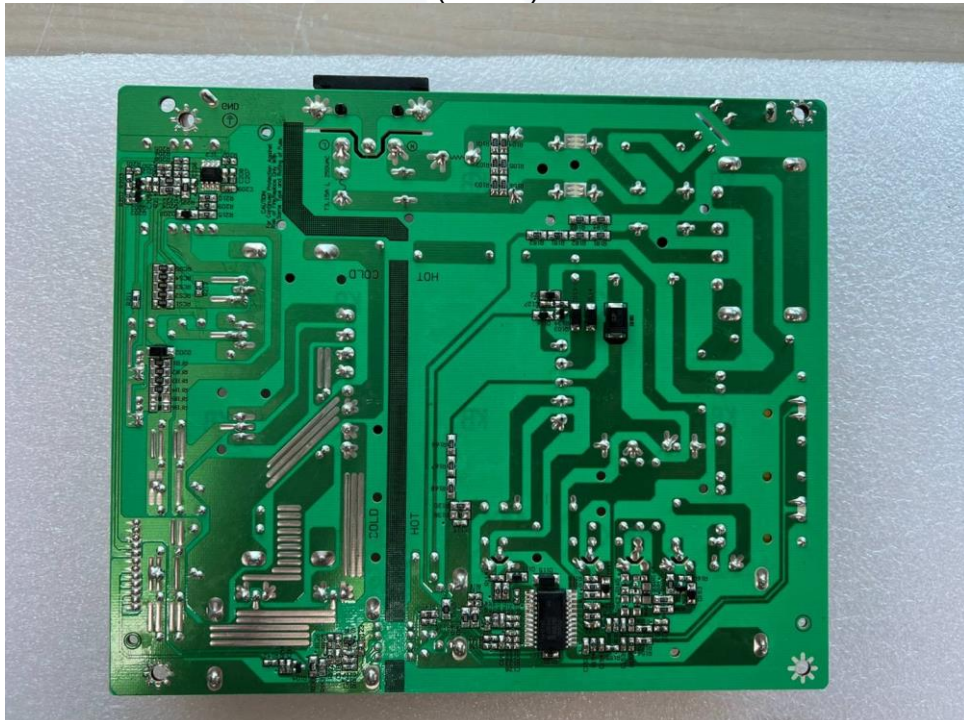


EUT Internal View – Board 5

(Top)



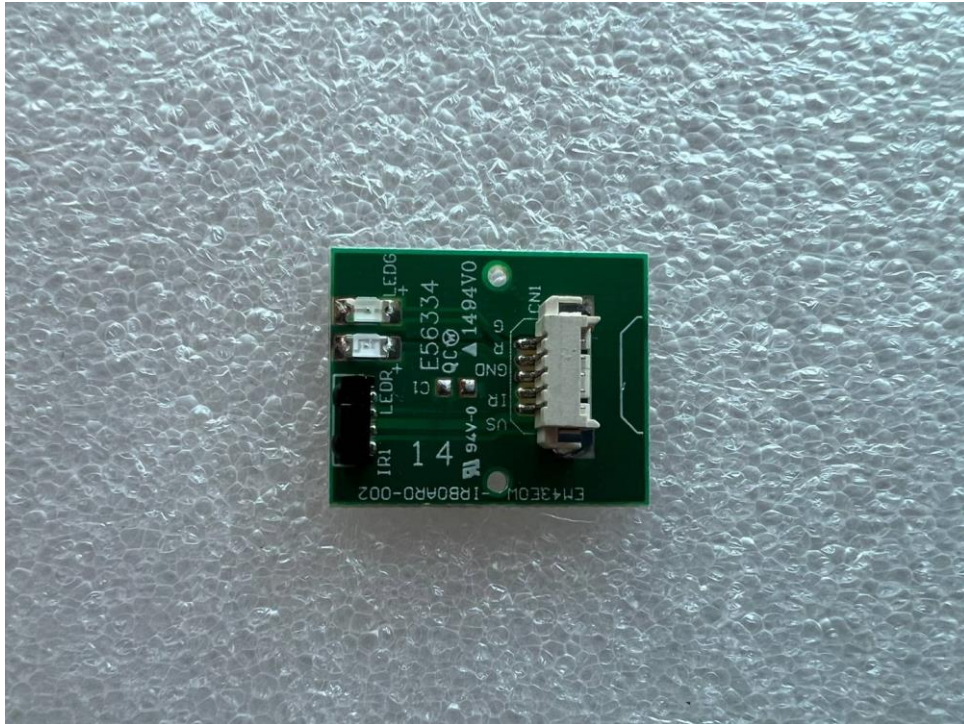
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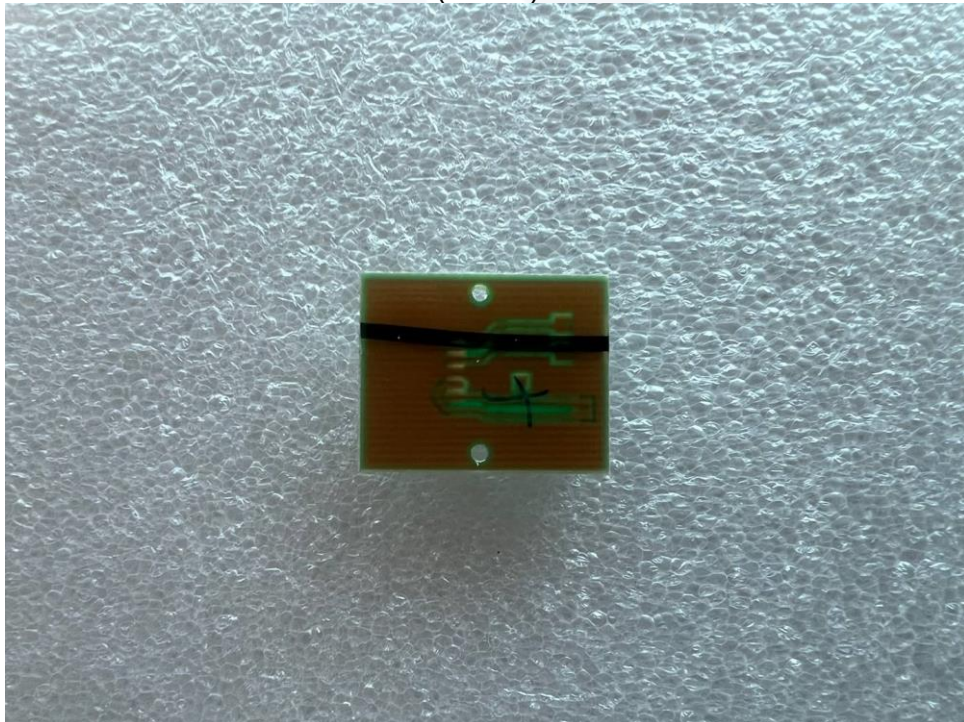


EUT Internal View – Board 7

(Top)



(Bottom)





EUT Internal View – Speaker

(Top)



(Bottom)





EUT Internal View – Panel

(Top)



(Bottom)





Label Photographs

FCC Label



LED MONITOR

SMT-4344

IC Label

CAN ICES-003(A) / NMB-003(A)

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.