EMC TEST REPORT

Test Report No.	:	KES-EM-21T0278
Date of Issue	:	Apr. 23, 2021
Product name	:	LED MONITOR
Model/Type No.	:	SMT-4343
Variant Model	:	-
Applicant	:	Hanwha Techwin Co., Ltd.
Applicant Address	:	6, Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Manufacturer	:	Weihai Daewoo Electronics Co., Ltd.
Manufacturer Address	:	No.26, Hongkong Road, Economic & Technical Development Zone, 264205 Weihai City, Shandong Province, China
Equipment authorization	:	**Supplier's Declaration of Conformity**
Date of Receipt	:	Mar. 30, 2021
Test date	:	Apr. 01, 2021 ~ Apr. 07, 2021
Test Results	:	☒ **In Compliance** ☐ **Not in Compliance**

Tested by

Jun Soo, Jung
EMC Test Engineer

Reviewed by

Dong-Hun, Jang
EMC Technical Manager

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

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REPORT REVISION HISTORY

Date	Test Report No.	Revision History
Apr. 23, 2021	KES-EM-21T0278	Issued

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TABLE OF CONTENTS

1.0 General Product Description....4
1.1 Test Voltage & Frequency....5
1.2 Variant Model Differences....5
1.3 Device Modifications....5
1.4 Equipment Under Test....5
1.5 Support Equipments....5
1.6 External I/O Cabling....6
1.7 EUT Operating Mode(s)....6
1.8 Configuration....7
1.9 Remarks when standards applied....8
1.10 Calibration Details of Equipment Used for Measurement....8
1.11 Test Facility....8
1.12 Laboratory Accreditations and Listings....8
2.0 Test Regulations....9
2.1 Conducted Emissions at Mains Power Ports....11
2.2 Radiated Electric Field Emissions(Below 1 ㎓)....12
2.3 Radiated Electric Field Emissions(Above 1 ㎓)....13
APPENDIX A – TEST DATA....14
Conducted Emissions at Mains Power Ports....14
Radiated Electric Field Emissions(Below 1 ㎓)....18
Radiated Electric Field Emissions(Above 1 ㎓)....20
Test Setup Photos and Configuration....22
Conducted Emissions at Mains Power Ports....22
Radiated Electric Field Emissions(Below 1 ㎓)....23
Radiated Electric Field Emissions(Above 1 ㎓)....24
EUT External Photographs....25
EUT Internal Photographs....26

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1.0 General Product Description

Main Specifications of EUT are:

		SMT-4343
Display		
Screen Size		42.5"
Max. Resolution		3840*2160
Brightness		300 cd/m²
Contrast Ratio		800:1 (Min) 1000:1 (Typ)
Aspect Ratio		16:9
Viewing Angle (H/V)		178°/178°
Display Color		1.07G (8bits + FRC)
Response Time		8ms(G to G)
Panel Life		30,000 hours
Interface		
USB	Connector	USB2.0 hub x 1 (1 PC up , 2 down)
Video	Connector	HDMI 2.0(1) DP 1. 2(1)
HDMI	Connector	HDMI
	Available Format	640 x 480@60Hz/70Hz/72Hz/75Hz (VGA), 720 x 400@50Hz/60Hz/70Hz, 720×576@50Hz , 800 x 600@56Hz/60Hz/72Hz/75Hz (SVGA), 832 x 624@75Hz, 1,024 x 768@60Hz/70Hz/75Hz (XGA), 1,152 x 864@60Hz/75Hz, 1,280 x 720@60Hz, 1,280 x 800@60Hz, 1,280 x 1,024@60Hz/75Hz (SXGA), 1,360 x 768@60Hz, 1,440 x 900@60Hz/75Hz, 1,600 x 900@60Hz, 1,680 x 1,050@60Hz, 1,920 x 1,080i@60Hz, 1,920 x 1,080p@60Hz,1920×1440@60Hz , 2560×1440@60Hz 3840×2160p@30Hz/60Hz
DP	Connector	DP
	Available Format	640 x 480@60Hz/70Hz/72Hz/75Hz (VGA), 720 x 400@50Hz/60Hz/70Hz, 720×576@50Hz , 800 x 600@56Hz/60Hz/72Hz/75Hz (SVGA), 832 x 624@75Hz, 1,024 x 768@60Hz/70Hz/75Hz (XGA), 1,152 x 864@60Hz/75Hz, 1,280 x 720@60Hz, 1,280 x 800@60Hz, 1,280 x 1,024@60Hz/75Hz (SXGA), 1,360 x 768@60Hz, 1,440 x 900@60Hz/75Hz, 1,600 x 900@60Hz, 1,680 x 1,050@60Hz, 1,920 x 1,080i@60Hz, 1,920 x 1,080p@60Hz,1920×1440@60Hz , 2560×1440@60Hz 3840×2160p@30Hz/60Hz
Audio	Connector	Audio Out
	Output Signal	Loop-through line level(PC only), Speakers : 2x10W
Application Support		Remote Controller
On Screen Display (OSD)		
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	967.0*640.5*235.0mm
	Dimensions without Stand	967.0*560*77.0mm
	Bezel Size	8.6/16.4mm(Top/Bottom/Side)
	Weight	TBD
	Cabanet Color	Black
	Rack Mount	N/A
	VESA Mounts Interface	100*100mm /400*200mm
Accessory		STAND

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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-4343	-	Weihai Daewoo Electronics Co., Ltd.	EUT
Remote control	-	-	-	-

1.5 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
MacBook 1	A1502	C02NH8TNG3QH	Apple Inc.	-
MacBook 1 adapter	A1435	-	Delta Electronics (Jiangsu) Ltd.	-
MacBook 2	A1708	C02W32TFHV22	Apple Inc.	-
MacBook 2 adapter	A1718	-	Apple Inc.	-
Headset	K550	-	Britz®	-
Keyboard	ABKO HACKER K945P	K945P17010003	AKKO	-
Mouse	M-U0026	1431HSO4U288	Logitech	-

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1.6 External I/O Cabling

■ HDMI Mode, DP Mode

Start		END		Cable Spec.	
Description	**I/O Port**	**Description**	**I/O Port**	**Length**	**Shield**
LED MONITOR (EUT)	HDMI	MacBook 1	HDMI	1.5	S
	USB(Type B)		USB	1.8	U
	DP	MacBook 2	USB(Type C)	1.8	U
	3.5 ㎜	Headset	Line IN	1.6	U
	USB	Keyboard	USB	1.6	U
	USB	Mouse	USB	1.8	U

* Unshielded=U, Shielded=S

1.7 EUT Operating Mode(s)

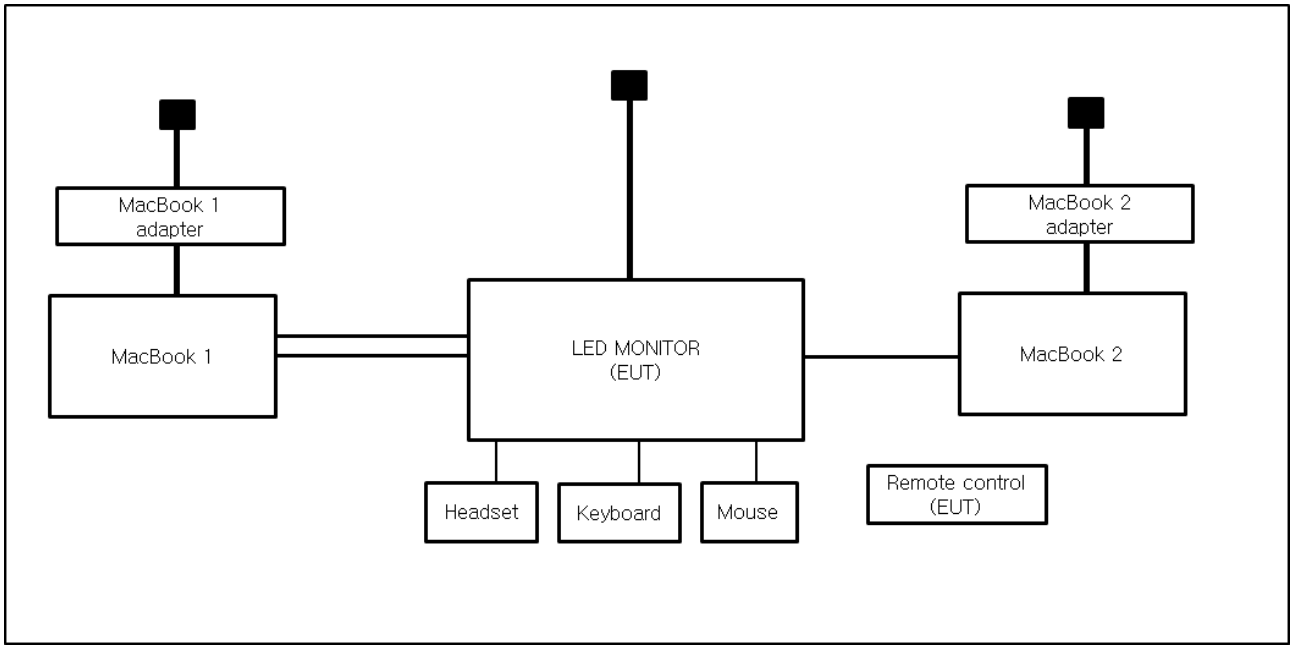
Test Mode	operating
HDMI	The color bar image played on MacBook 1 was tested by checking whether the EUT screen is output normally and 1㎑ tone sound is output normally on the headset.
DP	The color bar images played on MacBook 2 were tested by checking if they were normally printed on the EUT screen.

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

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1.8 Configuration

■ AC Main
□ DC Main



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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, Yeoju-si, Gyeonggi-do, 12658, Korea. The sites are constructed in conformance with the requirements of ANSI C63.4:2014 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 , 10 m Open Area 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, 10 m Open Area and Conducted test site to perform FCC Part 15/18 measurements.	KR0100
Canada	**ISED**	3 m & 10 m Semi-Anechoic Chamber and Conducted test site	23298-1
JAPAN	**VCCI**	Mains Ports Conducted Interference Measurement, Telecommunication Ports Conducted Disturbance Measurement and Radiation 10 meter site, Facility for measuring radiated disturbance above 1 GHz	R-20056, C-20036, T-20040, G-20057
Europe	**TÜV SÜD**	EMI (3 m & 10 m Semi-Anechoic Chamber , 10 m Open Area and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	CARAT 001633 0004

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2.0 Test Regulations

The emissions tests were performed according to following regulations:

☐ **EMC – Directive 2014/30/EU**

☐ EN 61000-6-3:2011		
☐ EN 61000-6-1:2007		
☐ EN 61000-6-4:2007 +A1:2011		
☐ EN 61000-6-2:2005		
☐ EN 55011:2007 +A1:2010	☐ Group 1 ☐ Class A	☐ Group 2 ☐ Class B
☐ EN 55014-1:2006 +A2:2011		
☐ EN 55014-2:1997 +A2:2008		
☐ EN 55015:2013		
☐ EN 55032:2015	☐ Class A	☐ Class B
☐ EN 55024:2010		
☐ EN 50130-4:2011 +A1:2014		
☐ EN 61000-3-2:2014		
☐ EN 61000-3-3:2013		
☐ EN 61326-1:2013		

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☐ **VCCI-CISPR 32:2016**	☐ Class A	☐ Class B
☐ **AS/NZS CISPR32:2015**	☐ Class A	☐ Class B
☒ **47 CFR Part 15, Subpart B**		
☐ CISPR 22:2009 +A1:2010	☐ Class A	☐ Class B
☒ ANSI C63.4-2017	☒ Class A	☐ Class B
☐ **IC Regulation ICES-003 Issue 7**		
☐ CAN/CSA CISPR 32:17	☐ Class A	☐ Class B
☐ ANSI C63.4-2017	☐ Class A	☐ Class B

☐ **RE– Directive 2014/53/EU**

☐ EN 301 489-1 V1.9.2

- ☐ Equipment for fixed use
- ☐ Equipment for vehicular use
- ☐ Equipment for portable use

☐ EN 301 489-3 V1.6.1

☐ EN 301 489-17 V2.2.1

☐ EN 60945:2002

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2.1 Conducted Emissions at Mains Power Ports

Test Date
Apr. 01, 2021

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	01, 15, 2022
☒	LISN	ENV216	R & S	101787	12, 29, 2021
☒	LISN	ESH2-Z5	R & S	100450	12, 29, 2021
☒	PULSE LIMITER	ESH3-Z2	R & S	101915	12, 29, 2021

Test Conditions
Temperature: (24,3 ± 0,1) ℃
Relative Humidity: (44,7 ± 0,1) % R.H.

Frequency Range of Measurement
150 ㎑ to 30 ㎒

Instrument Settings
IF Band Width: 9 ㎑

Test Results
The requirements are:

☒ PASS
☐ NOT PASS
☐ NOT APPLICABLE

Remarks
See Appendix A for test data.

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2.2 Radiated Electric Field Emissions(Below 1 ㎓)

Test Date
Apr. 01, 2021

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	04, 01, 2022
☒	AMPLIFIER	SCU 01	R & S	100603	11, 25, 2021
☒	TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	715	12, 08, 2022
☒	ATTENUATOR	8491A	HP	32173	03, 10, 2022

Test Conditions
Temperature: (23,9 ± 0,2) ℃
Relative Humidity: (44,8 ± 0,2) % R.H.

Frequency Range of Measurement
30 ㎒ to 1 ㎓

Instrument Settings
IF Band Width: 120 ㎑

Test Results
The requirements are:

☒ PASS
☐ NOT PASS
☐ NOT APPLICABLE

Remarks
See Appendix A for test data.

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2.3 Radiated Electric Field Emissions(Above 1 ㎓)

Test Date
Apr. 07, 2021

Test Location
SEMI ANECHOIC CHAMBER #5

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test S/W	EP5/RE	TOYO Corporation	6.0.120	-
☒	EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	04, 01, 2022
☒	BILOG ANTENNA	VULB 9168	SCHWARZBECK	9168-461	12, 22, 2022
☒	AMPLIFIER	310N	SONOMA INSTRUMENT	401123	06, 08, 2021
☐	ATTENUATOR	6806.17.A	HUBER+SUHNER	-	11, 03, 2021

Test Conditions
Temperature: (24,2 ± 0,1) ℃
Relative Humidity: (42,9 ± 0,1) % R.H.

Frequency Range of Measurement
1 ㎓ to 5 ㎓

Instrument Settings
IF Band Width: 1 ㎒

Test Results
The requirements are:
☒ PASS
☐ NOT PASS
☐ NOT APPLICABLE

Remarks
See Appendix A for test data.

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APPENDIX A – TEST DATA

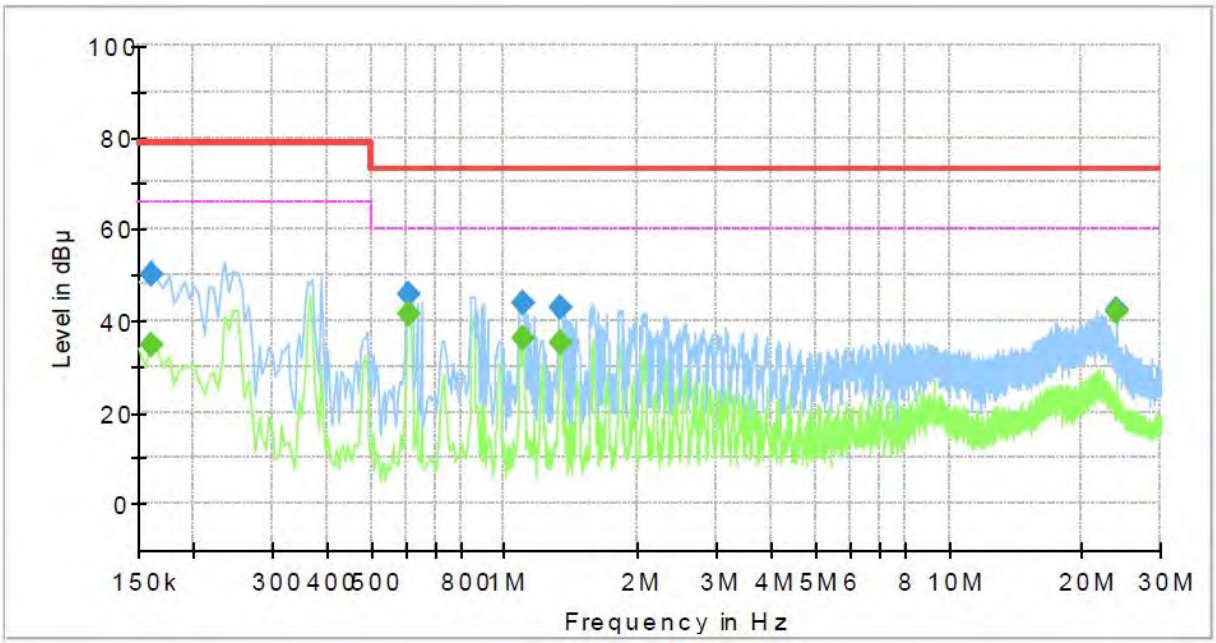
Conducted Emissions at Mains Power Ports

■ HDMI Mode

HOT LINE

Common Information

Test Description:	Conducted Emission
Model No.:	SMT-4343
Phase:	L1
Mode:	HDMI
Operator Name:	KES



Final_Result

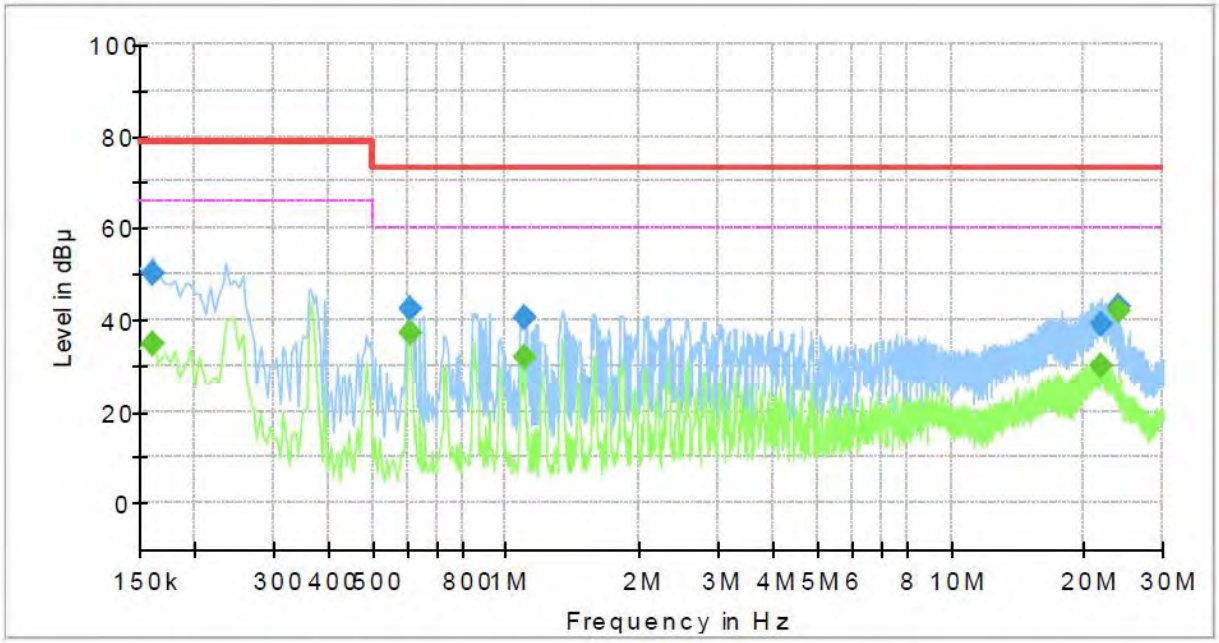
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.160000	---	34.90	66.00	31.10	1000.0	9.000	L1	19.4
0.160000	50.16	---	79.00	28.84	1000.0	9.000	L1	19.4
0.610000	---	41.23	60.00	18.77	1000.0	9.000	L1	19.8
0.610000	45.81	---	73.00	27.19	1000.0	9.000	L1	19.8
1.100000	---	36.09	60.00	23.91	1000.0	9.000	L1	20.0
1.100000	43.93	---	73.00	29.07	1000.0	9.000	L1	20.0
1.340000	---	35.20	60.00	24.80	1000.0	9.000	L1	20.1
1.340000	42.95	---	73.00	30.05	1000.0	9.000	L1	20.1
24.000000	---	41.85	60.00	18.15	1000.0	9.000	L1	20.1
24.000000	42.53	---	73.00	30.47	1000.0	9.000	L1	20.1

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NEUTRAL LINE

Common Information

Test Description:	Conducted Emission
Model No.:	SMT-4343
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)
0.160000	---	34.71	66.00	31.29	1000.0	9.000	N	19.4
0.160000	49.97	---	79.00	29.03	1000.0	9.000	N	19.4
0.610000	---	37.20	60.00	22.80	1000.0	9.000	N	19.8
0.610000	42.12	---	73.00	30.88	1000.0	9.000	N	19.8
1.100000	---	31.90	60.00	28.10	1000.0	9.000	N	20.0
1.100000	40.61	---	73.00	32.39	1000.0	9.000	N	20.0
21.920000	---	29.82	60.00	30.18	1000.0	9.000	N	20.2
21.920000	39.20	---	73.00	33.80	1000.0	9.000	N	20.2
24.000000	---	41.71	60.00	18.29	1000.0	9.000	N	20.1
24.000000	42.68	---	73.00	30.32	1000.0	9.000	N	20.1

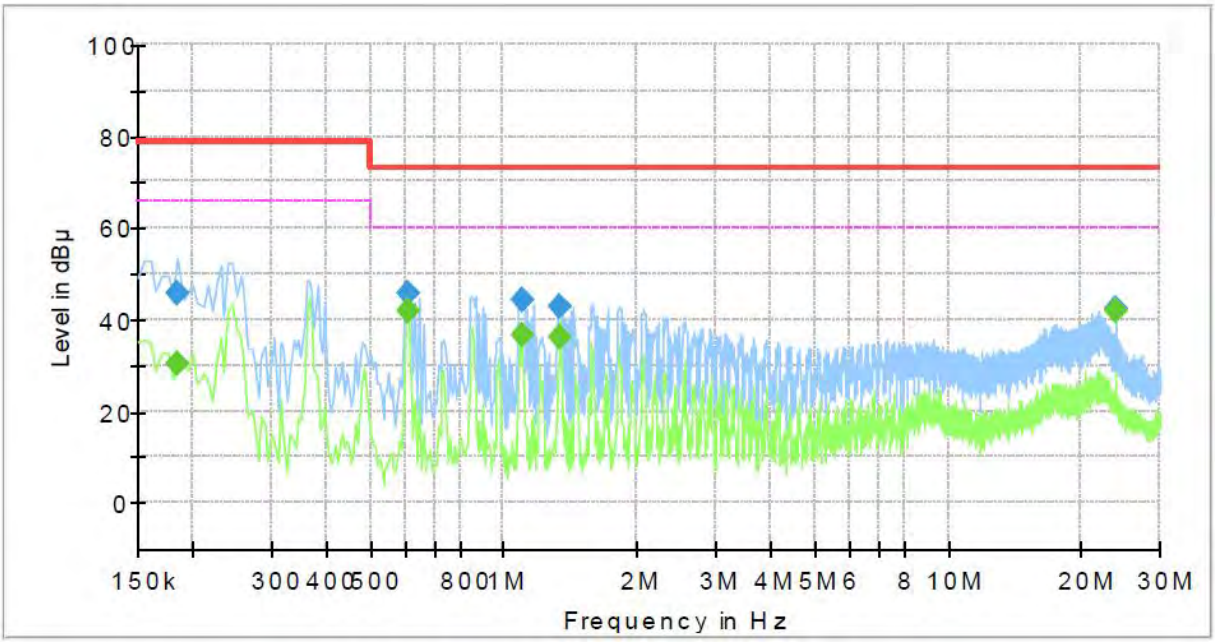
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■ DP Mode

HOT LINE

Common Information

Test Description:	Conducted Emission
Model No.:	SMT-4343
Phase:	L1
Mode:	DP
Operator Name:	KES



Final_Result

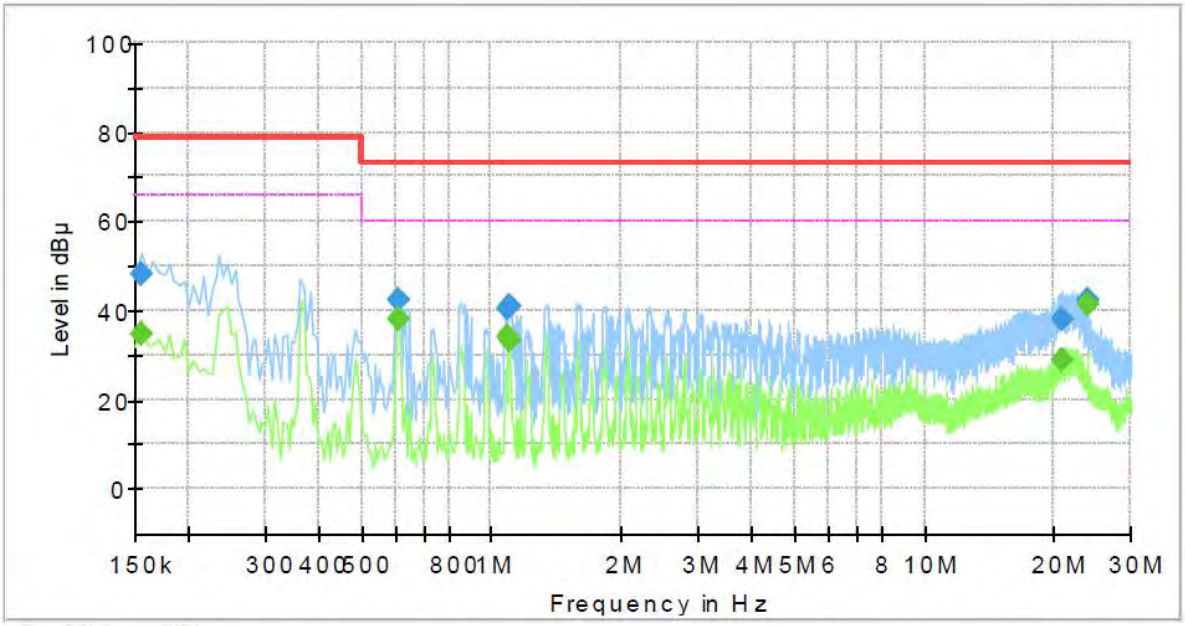
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.185000	---	30.30	66.00	35.70	1000.0	9.000	L1	19.4
0.185000	45.93	---	79.00	33.07	1000.0	9.000	L1	19.4
0.610000	---	41.95	60.00	18.05	1000.0	9.000	L1	19.8
0.610000	45.79	---	73.00	27.21	1000.0	9.000	L1	19.8
1.100000	---	36.83	60.00	23.17	1000.0	9.000	L1	20.0
1.100000	44.08	---	73.00	28.92	1000.0	9.000	L1	20.0
1.340000	---	36.29	60.00	23.71	1000.0	9.000	L1	20.1
1.340000	43.07	---	73.00	29.93	1000.0	9.000	L1	20.1
24.000000	---	41.74	60.00	18.26	1000.0	9.000	L1	20.1
24.000000	42.42	---	73.00	30.58	1000.0	9.000	L1	20.1

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NEUTRAL LINE

Common Information

Test Description:	Conducted Emission
Model No.:	SMT-4343
Phase:	N
Mode:	DP
Operator Name:	KES



Final_Result

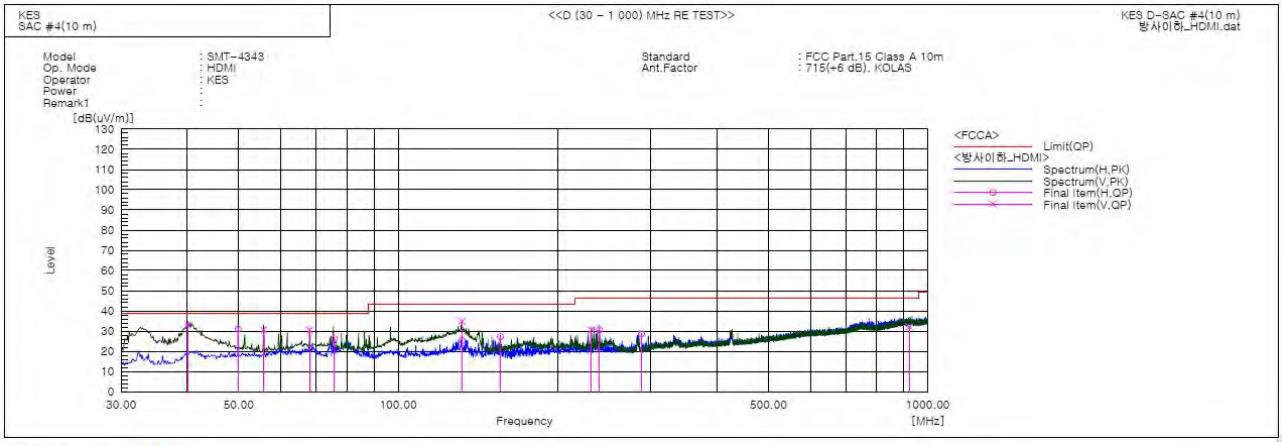
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.155000	---	34.51	66.00	31.49	1000.0	9.000	N	19.4
0.155000	48.30	---	79.00	30.70	1000.0	9.000	N	19.4
0.610000	---	38.25	60.00	21.75	1000.0	9.000	N	19.8
0.610000	42.17	---	73.00	30.83	1000.0	9.000	N	19.8
1.095000	---	34.40	60.00	25.60	1000.0	9.000	N	20.0
1.095000	40.44	---	73.00	32.56	1000.0	9.000	N	20.0
1.100000	---	33.27	60.00	26.73	1000.0	9.000	N	20.0
1.100000	40.79	---	73.00	32.21	1000.0	9.000	N	20.0
20.935000	---	28.74	60.00	31.26	1000.0	9.000	N	20.2
20.935000	38.20	---	73.00	34.80	1000.0	9.000	N	20.2
24.000000	---	41.57	60.00	18.43	1000.0	9.000	N	20.1
24.000000	42.56	---	73.00	30.44	1000.0	9.000	N	20.1

◆ Calculation
QuasiPeak[dBuV] / CAverage [dBuV] = Reading Value[dBuV] + Corr. [dB]
QuasiPeak / CAverage : The Final Value
Reading Value : Not shown in the table.
Corr. : Correction values (LISN FACTOR + (Cable Loss + Pulse Limiter FACTOR))

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Radiated Electric Field Emissions(Below 1 ㎓)

■ HDMI Mode

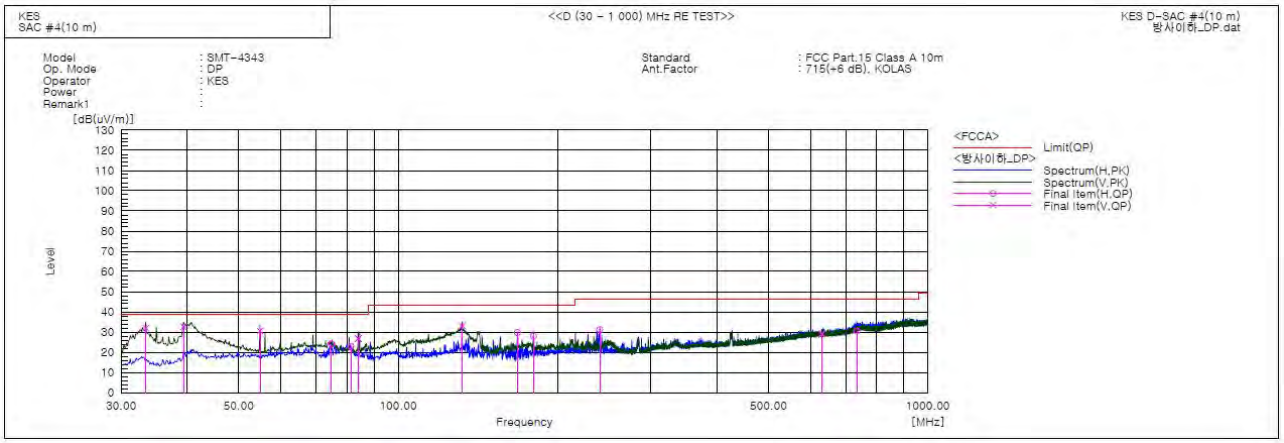


Final Result

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	40.064	V	55.8	-22.6	33.2	39.0	5.8	100.0	200.0	
2	49.885	H	52.1	-21.0	31.1	39.0	7.9	375.0	143.0	
3	55.705	V	52.1	-21.5	30.6	39.0	8.4	107.0	231.0	
4	68.073	V	54.7	-24.2	30.5	39.0	8.5	173.0	48.0	
5	75.833	H	53.3	-27.1	26.2	39.0	12.8	397.0	268.0	
6	131.971	V	60.0	-25.2	34.8	43.5	8.7	154.0	194.0	
7	132.093	H	50.5	-25.2	25.3	43.5	18.2	255.0	44.0	
8	155.979	H	51.9	-24.7	27.2	43.5	16.3	400.0	264.0	
9	231.639	V	50.3	-19.7	30.6	46.5	15.9	171.0	148.0	
10	239.884	H	50.1	-19.4	30.7	46.5	15.8	299.0	234.0	
11	288.020	H	46.9	-18.3	28.6	46.5	17.9	249.0	177.0	
12	922.279	V	36.0	-3.8	32.2	46.5	14.3	100.0	358.0	

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■ DP Mode



Final Result

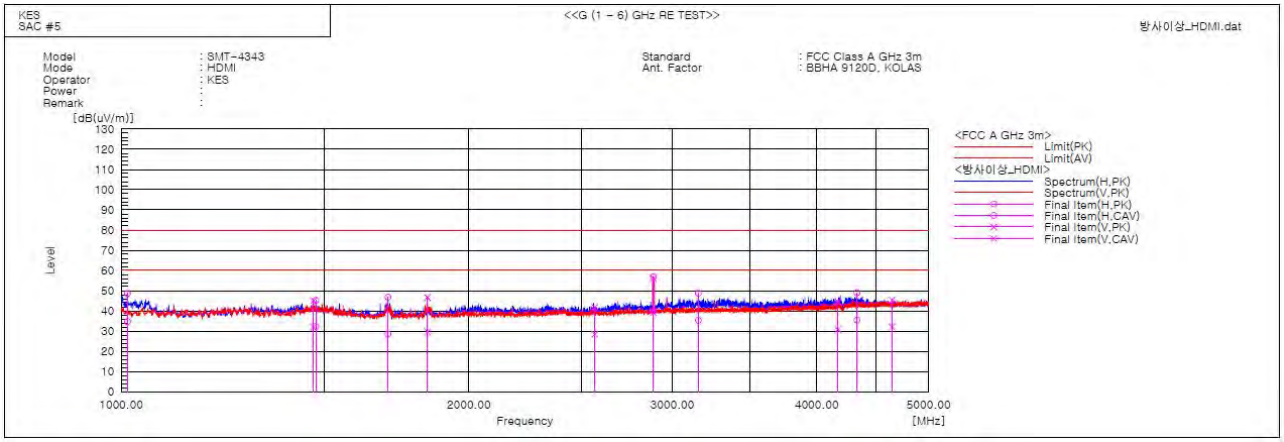
No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	33.395	V	57.0	-25.0	32.0	39.0	7.0	100.0	112.0	
2	39.336	V	55.7	-23.0	32.7	39.0	6.3	173.0	109.0	
3	54.856	V	52.0	-21.4	30.6	39.0	8.4	119.0	11.0	
4	74.863	H	50.8	-26.8	24.0	39.0	15.0	324.0	264.0	
5	81.410	H	50.5	-27.5	23.0	39.0	16.0	400.0	50.0	
6	84.078	V	53.4	-26.6	26.8	39.0	12.2	184.0	268.0	
7	132.093	V	58.3	-25.2	33.1	43.5	10.4	100.0	172.0	
8	167.861	H	54.0	-24.2	29.8	43.5	13.7	275.0	54.0	
9	179.986	H	51.3	-23.3	28.0	43.5	15.5	400.0	43.0	
10	240.005	H	50.7	-19.4	31.3	46.5	15.2	388.0	56.0	
11	630.309	V	37.2	-8.1	29.1	46.5	17.4	109.0	2.0	
12	733.735	H	36.6	-6.2	30.4	46.5	16.1	394.0	277.0	

♦ Calculation – SAC #4(10 m)
Result(QP) [dB(㎶/m)] = (Reading(QP)[dB(㎶)] + c.f[dB(1/m)]
Margin(QP)[dB] = Limit[dB(㎶/m)] - Result(QP) [dB(㎶/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

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Radiated Electric Field Emissions(Above 1 ㎓)

■ HDMI Mode

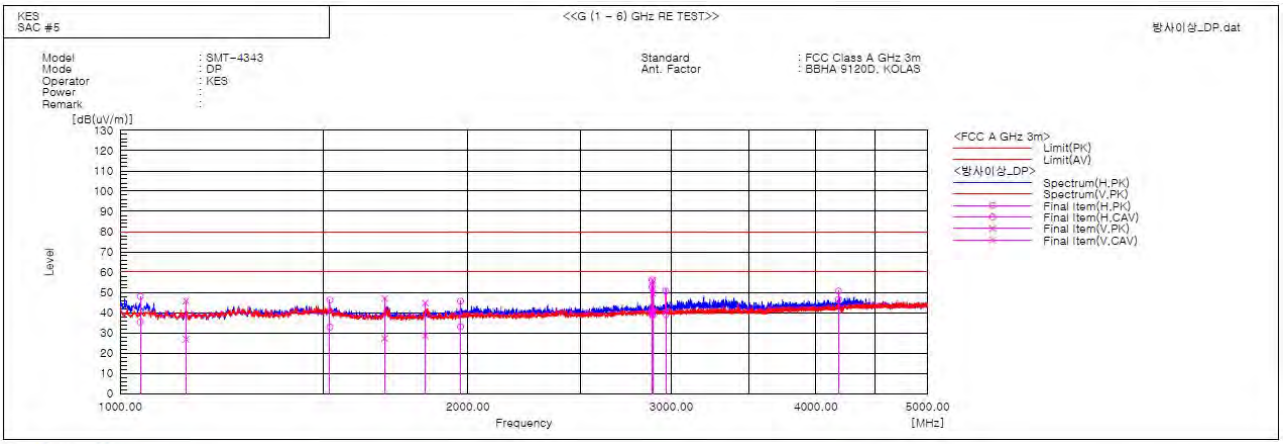


Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Result CAV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]	Remark
1	1012.500	H	58.4	44.5	-9.8	48.6	34.7	80.0	60.0	31.4	25.3	135.0	328.8	
2	1466.875	V	52.9	39.7	-7.8	45.1	31.9	80.0	60.0	34.9	28.1	179.0	330.0	
3	1473.750	H	52.9	40.0	-7.7	45.2	32.3	80.0	60.0	34.8	27.7	130.0	341.2	
4	1701.875	H	53.8	35.6	-7.0	46.8	28.6	80.0	60.0	33.2	31.4	100.0	3.5	
5	1840.625	V	53.1	36.1	-6.4	46.7	29.7	80.0	60.0	33.3	30.3	137.0	140.4	
6	2570.000	V	45.9	32.6	-4.2	41.7	28.4	80.0	60.0	38.3	31.6	120.0	17.7	
7	2887.500	V	58.9	42.0	-2.8	56.1	39.2	80.0	60.0	23.9	20.8	106.0	343.9	
8	2888.750	H	59.7	42.8	-2.8	56.9	40.0	80.0	60.0	23.1	20.0	104.0	326.8	
9	3159.375	H	50.9	37.5	-2.2	48.7	35.3	80.0	60.0	31.3	24.7	119.0	158.9	
10	4171.875	V	43.9	30.1	0.7	44.6	30.8	80.0	60.0	35.4	29.2	271.0	304.5	
11	4334.375	H	47.7	34.2	1.3	49.0	35.5	80.0	60.0	31.0	24.5	102.0	153.7	
12	4646.875	V	43.2	29.9	2.2	45.4	32.1	80.0	60.0	34.6	27.9	223.0	126.4	

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■ DP Mode



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Result CAV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]	Remark
1	1040.625	H	57.7	45.0	-9.7	48.0	35.3	80.0	60.0	32.0	24.7	151.0	322.1	
2	1140.000	V	55.0	36.0	-9.2	45.8	26.8	80.0	60.0	34.2	33.2	128.0	25.8	
3	1518.733	H	53.8	40.4	-7.6	46.2	32.8	80.0	60.0	33.8	27.2	103.0	311.3	
4	1693.750	V	54.1	34.2	-7.0	47.1	27.2	80.0	60.0	32.9	32.8	123.0	149.6	
5	1836.875	V	51.2	35.0	-6.4	44.8	28.6	80.0	60.0	35.2	31.4	128.0	136.6	
6	1970.625	H	51.7	39.0	-6.0	45.7	33.0	80.0	60.0	34.3	27.0	110.0	168.7	
7	2886.250	H	55.5	44.1	-2.8	52.7	41.3	80.0	60.0	27.3	18.7	100.0	329.9	
8	2886.259	H	58.9	41.6	-2.8	56.1	38.8	80.0	60.0	23.9	21.2	119.0	325.3	
9	2890.621	V	58.8	41.9	-2.8	56.0	39.1	80.0	60.0	24.0	20.9	100.0	359.5	
10	2890.625	V	52.3	42.5	-2.8	49.5	39.7	80.0	60.0	30.5	20.3	108.0	1.7	
11	2966.875	H	53.3	41.8	-2.6	50.7	39.2	80.0	60.0	29.3	20.8	133.0	200.8	
12	4185.000	H	49.9	45.7	0.8	50.7	46.5	80.0	60.0	29.3	13.5	119.0	166.3	

♦ 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)]

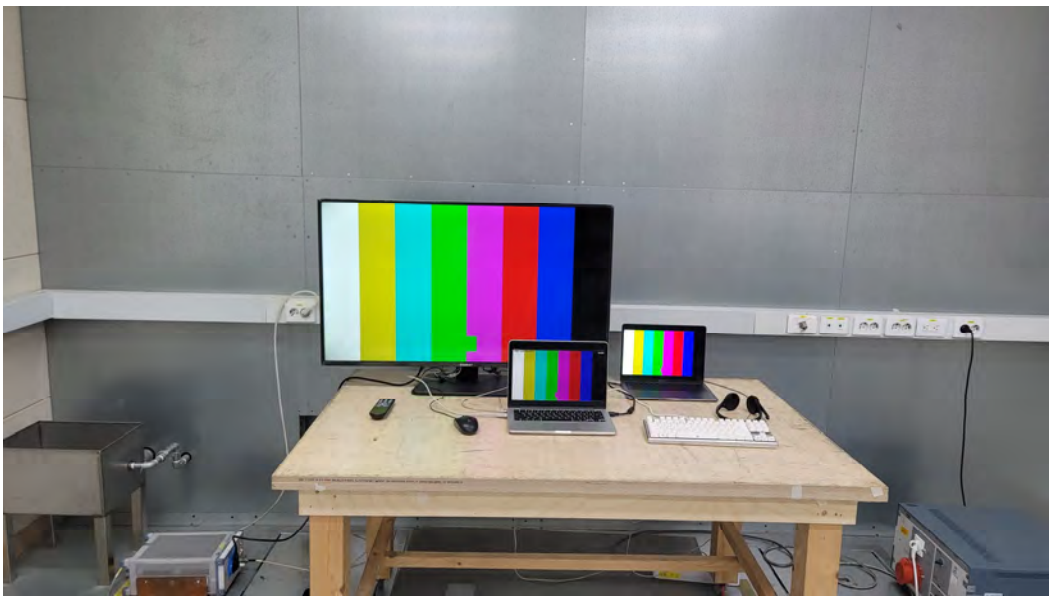
Reading(PK/CAV) : Reading value, Result(PK/CAV) : Reading value + Factor value

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

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Test Setup Photos and Configuration

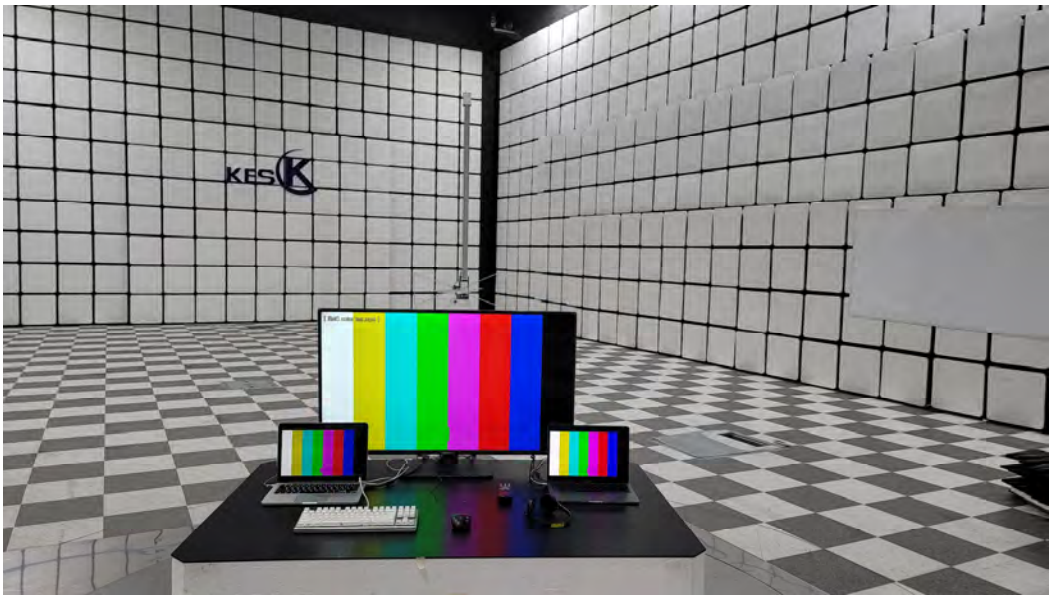
Conducted Emissions at Mains Power Ports





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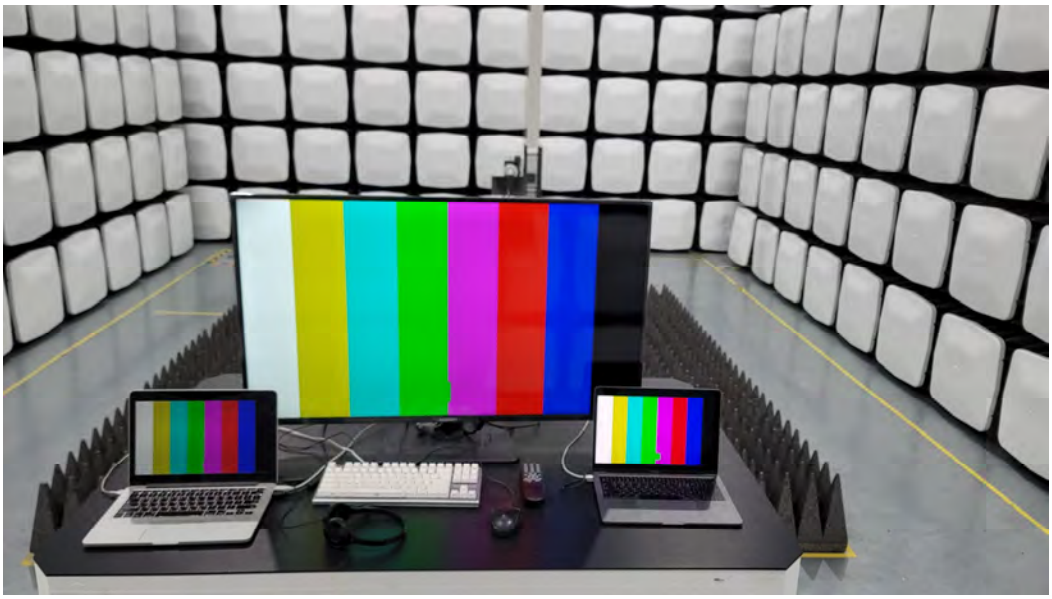
Radiated Electric Field Emissions(Below 1 ㎓)

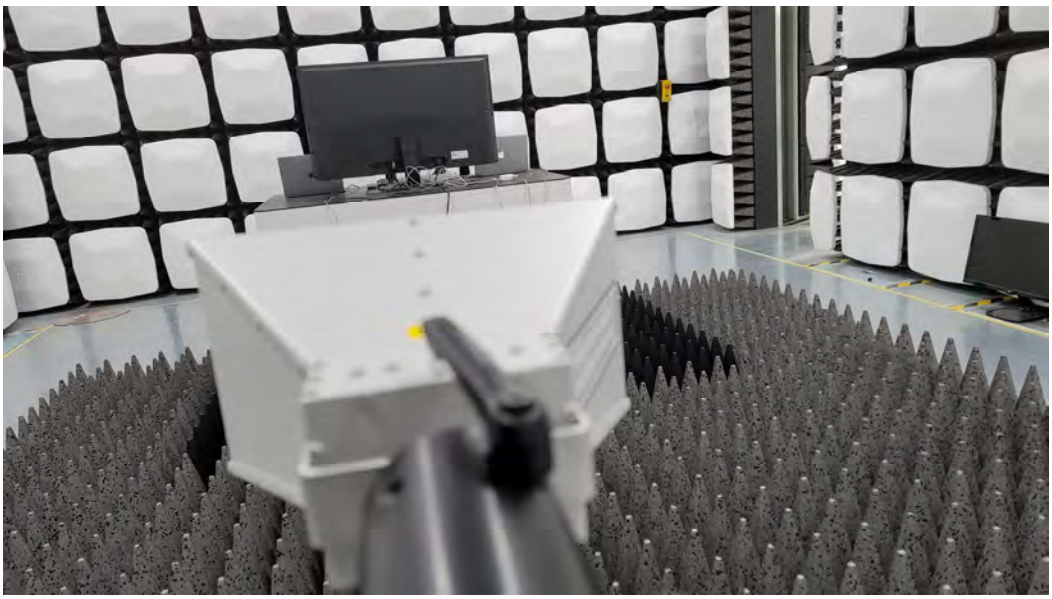




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Radiated Electric Field Emissions(Above 1 ㎓)





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EUT External Photographs

(Top)



(Bottom)



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EUT Internal Photographs

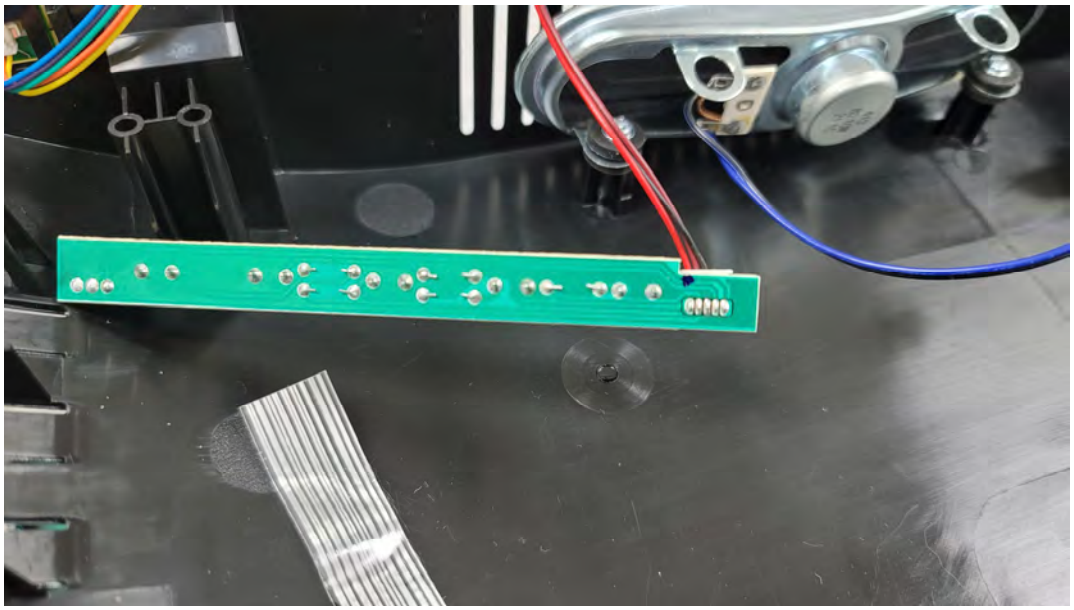
(Internal View)



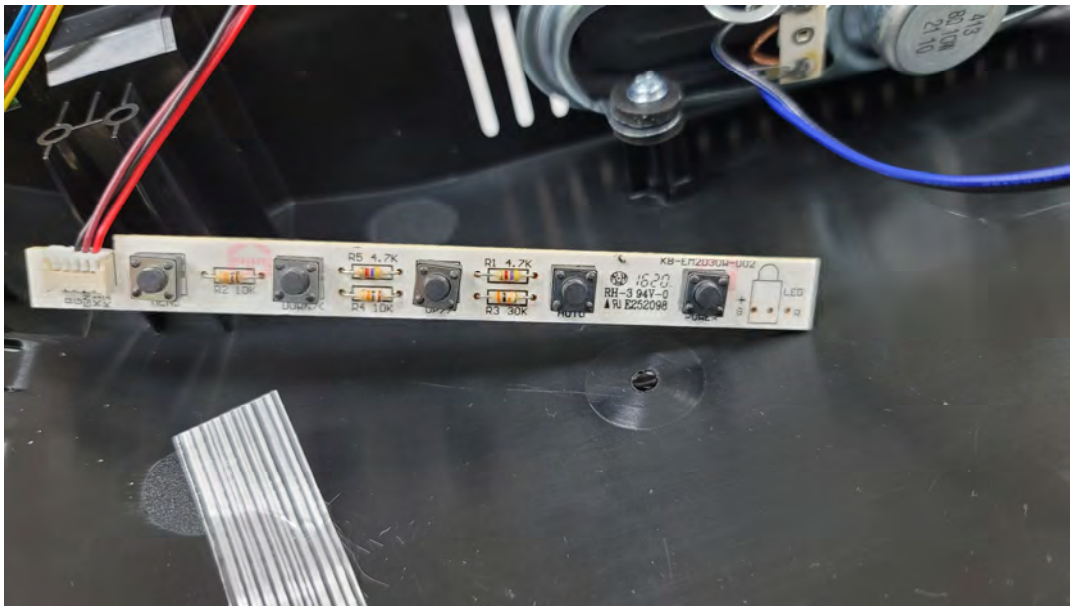
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EUT Internal View – Board 1

(Top)



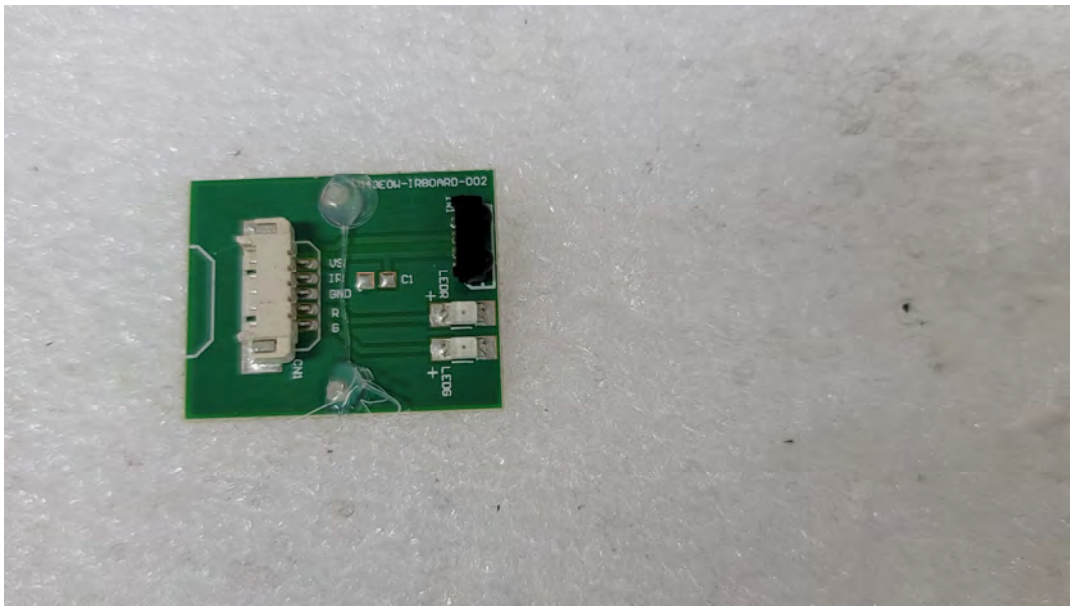
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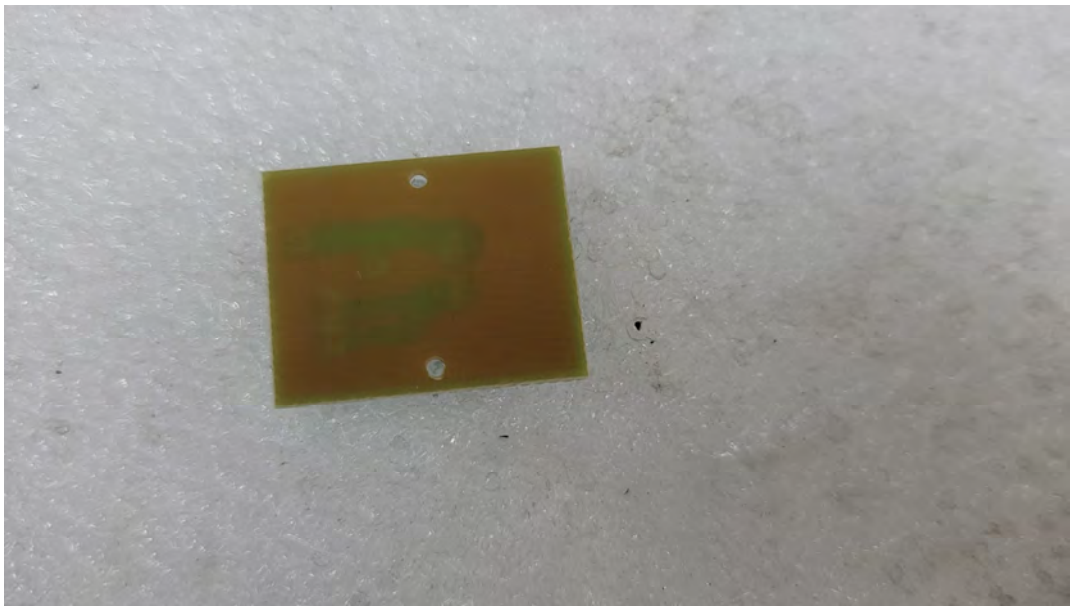
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EUT Internal View – Board 2

(Top)



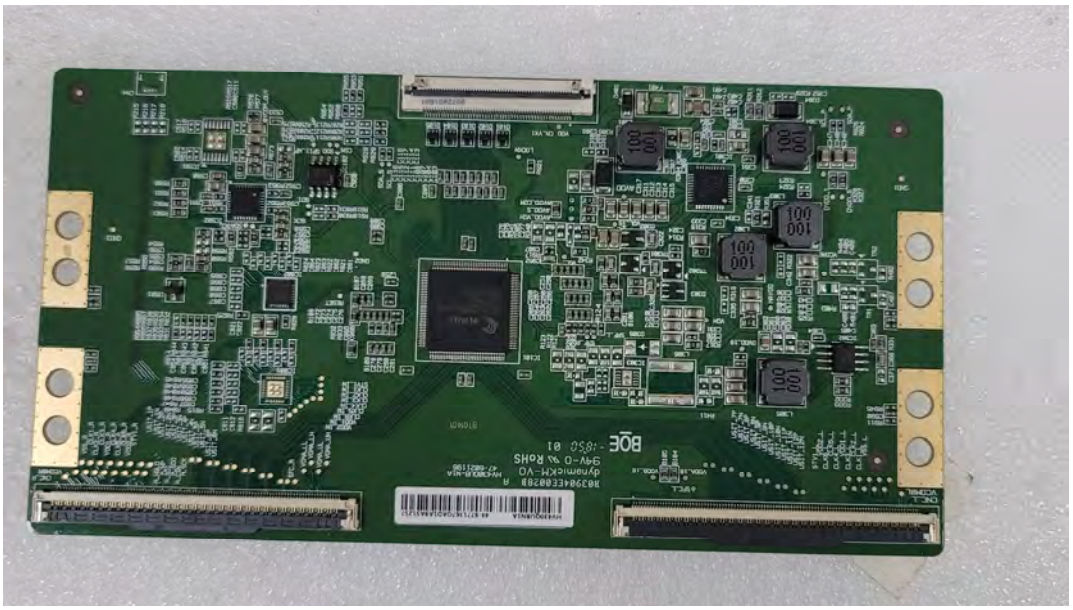
(Bottom)



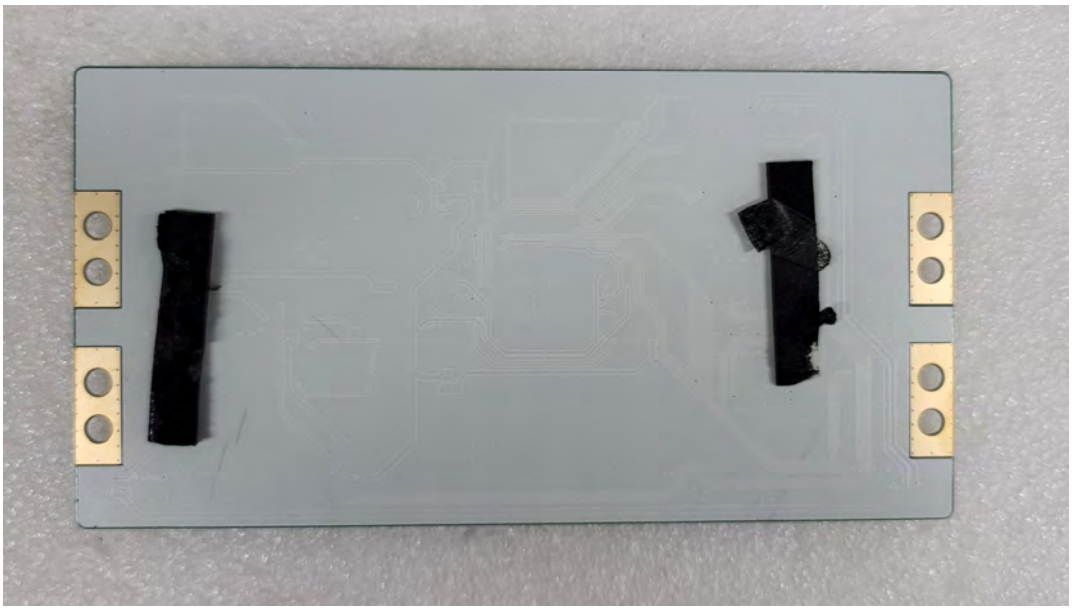
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EUT Internal View – Board 3

(Top)



(Bottom)



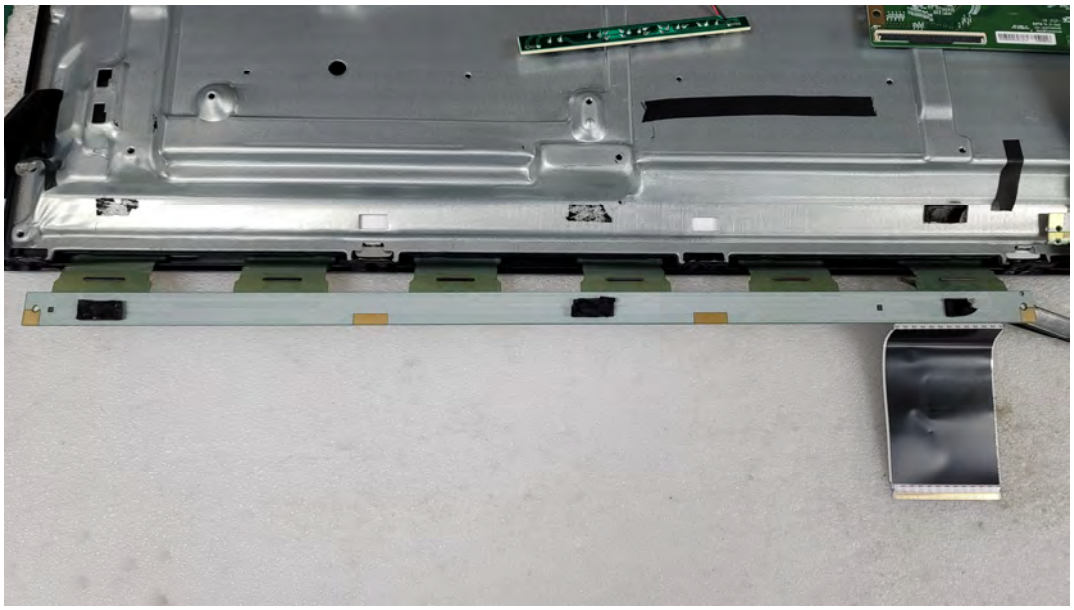
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EUT Internal View – Board 4

(Top)



(Bottom)



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EUT Internal View – Board 5

(Top)



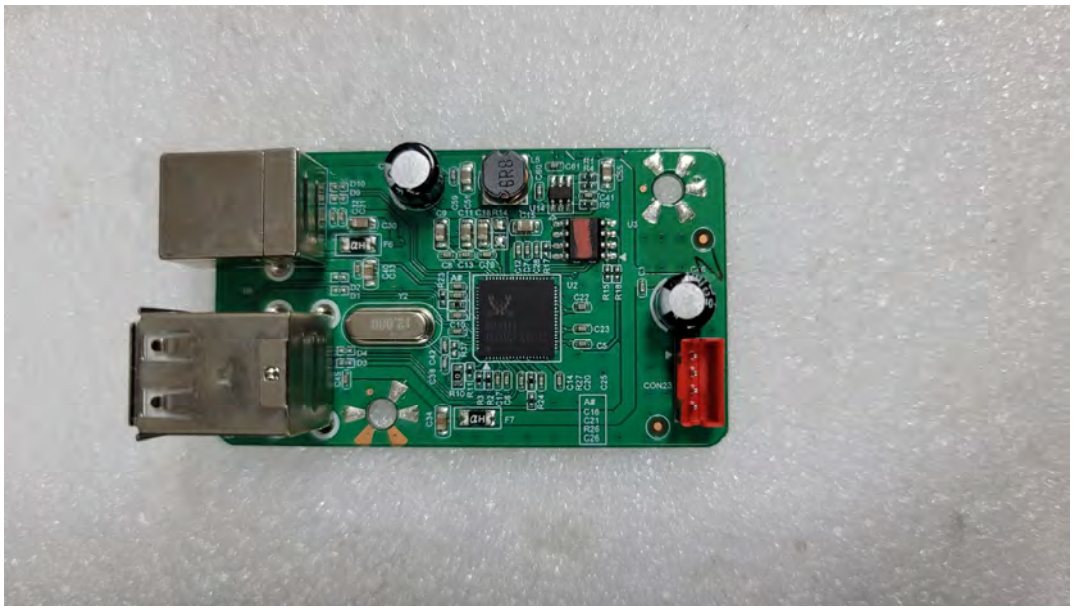
(Bottom)



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EUT Internal View – Board 6

(Top)



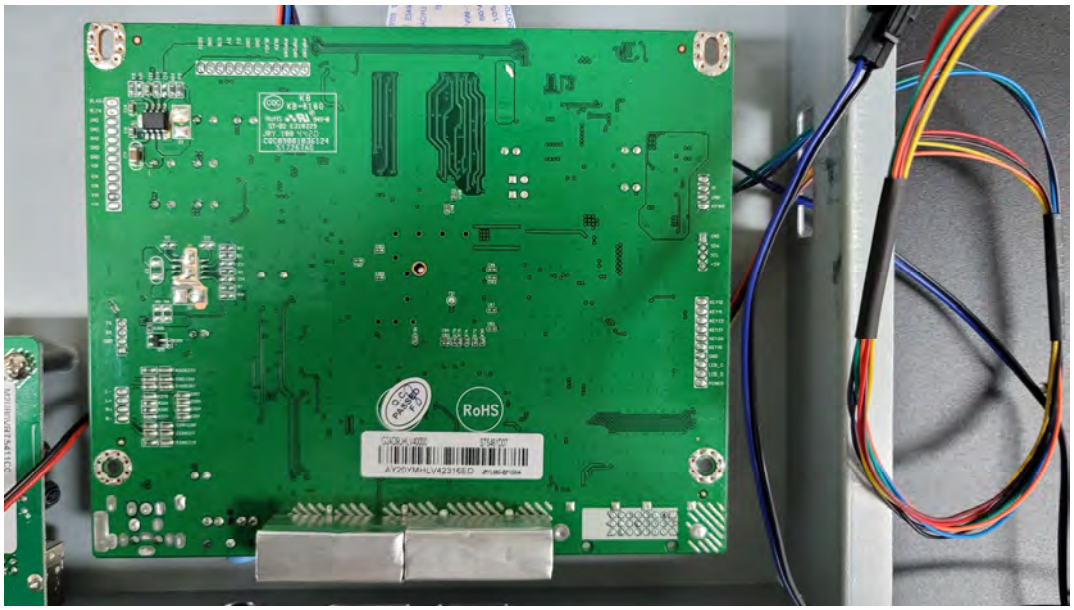
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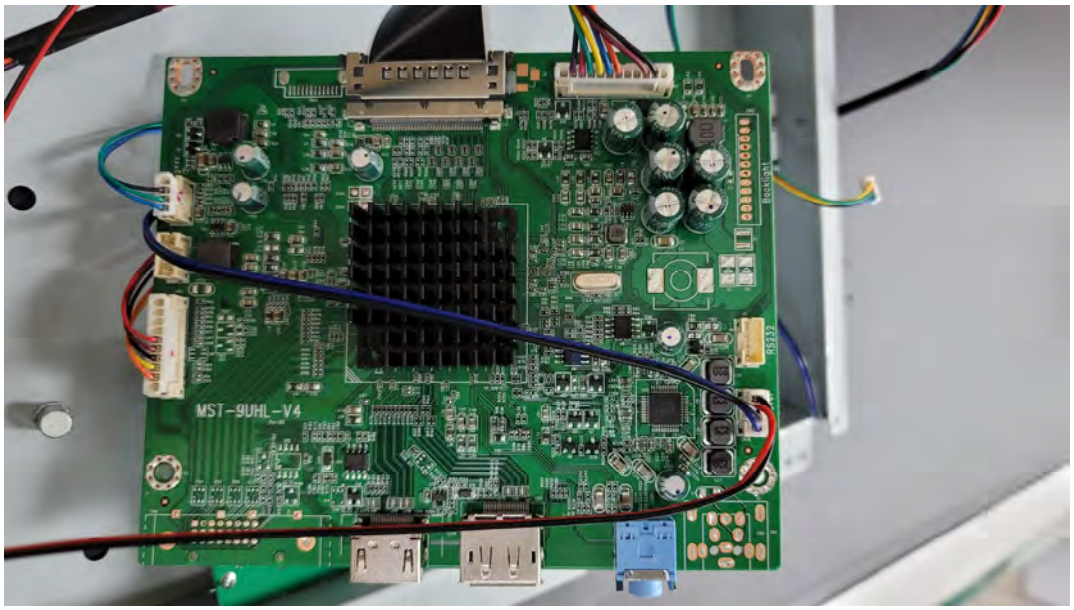
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EUT Internal View – Board 7

(Top)

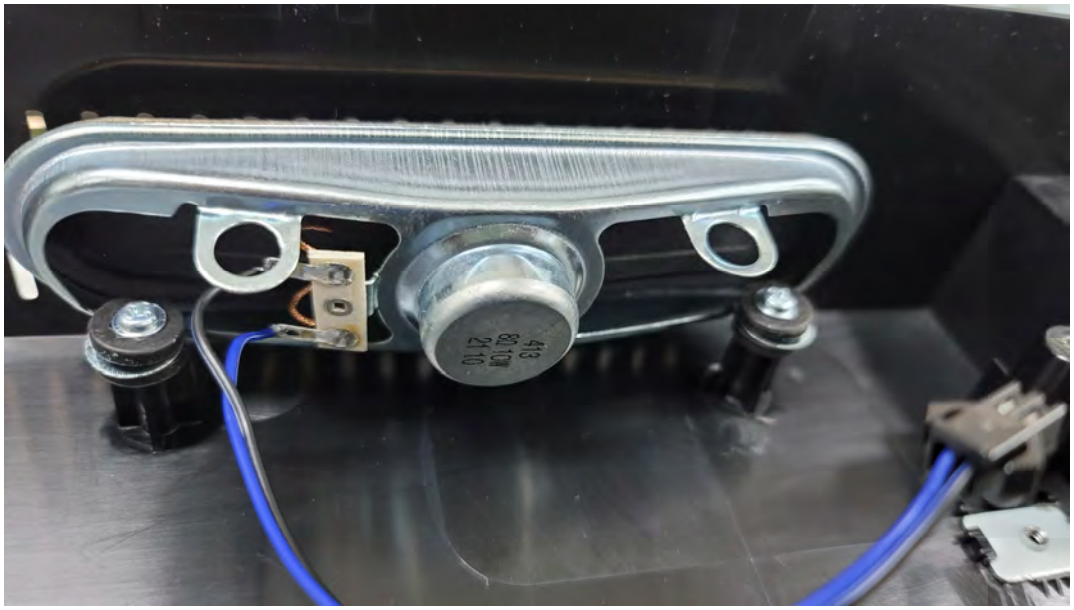


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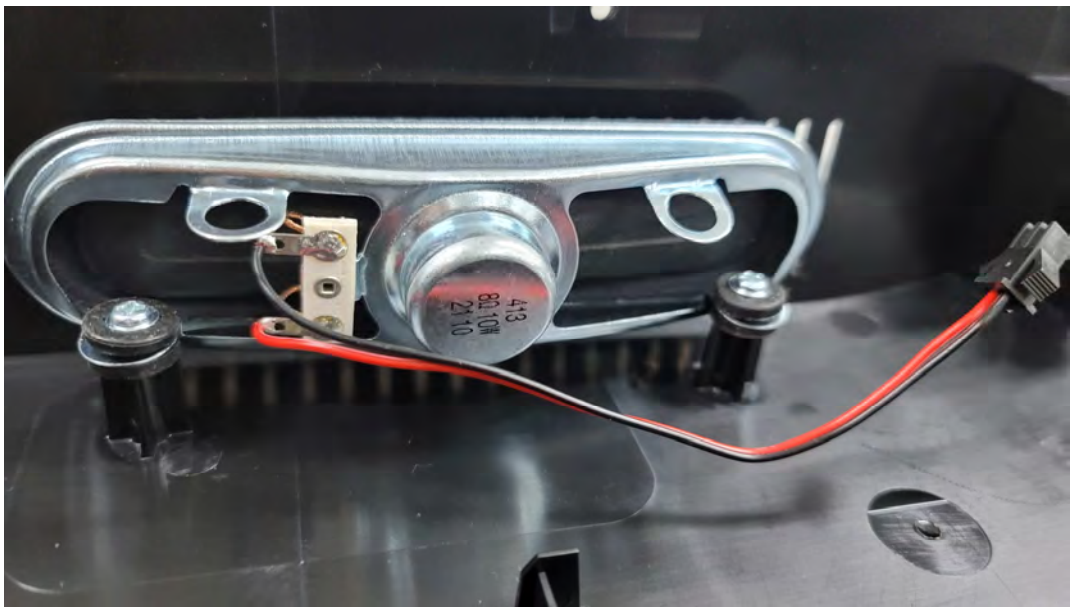


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EUT Internal View – Speaker 1



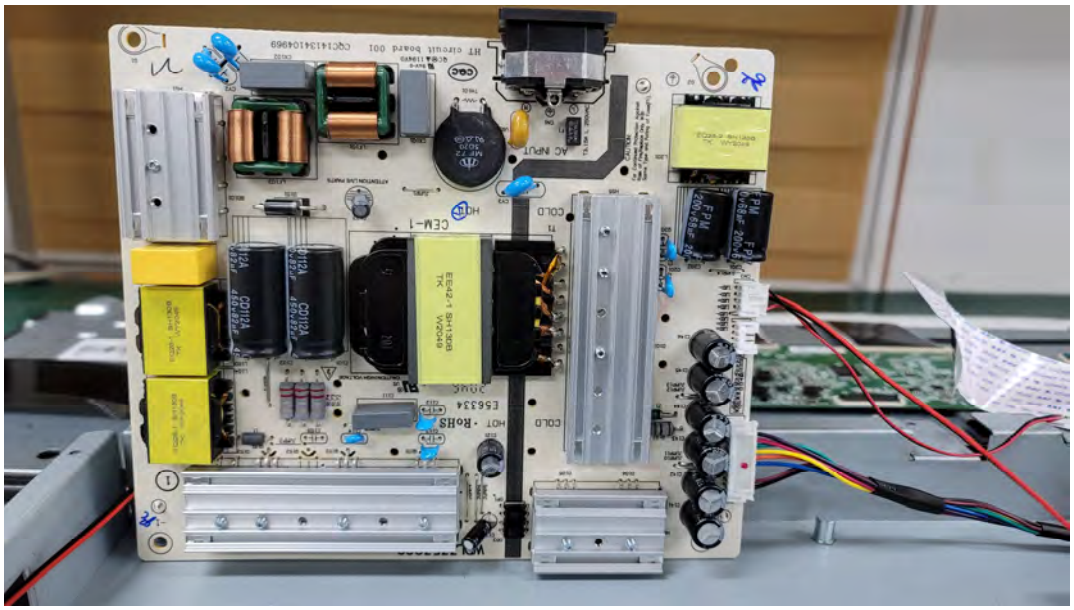
EUT Internal View – Speaker 2



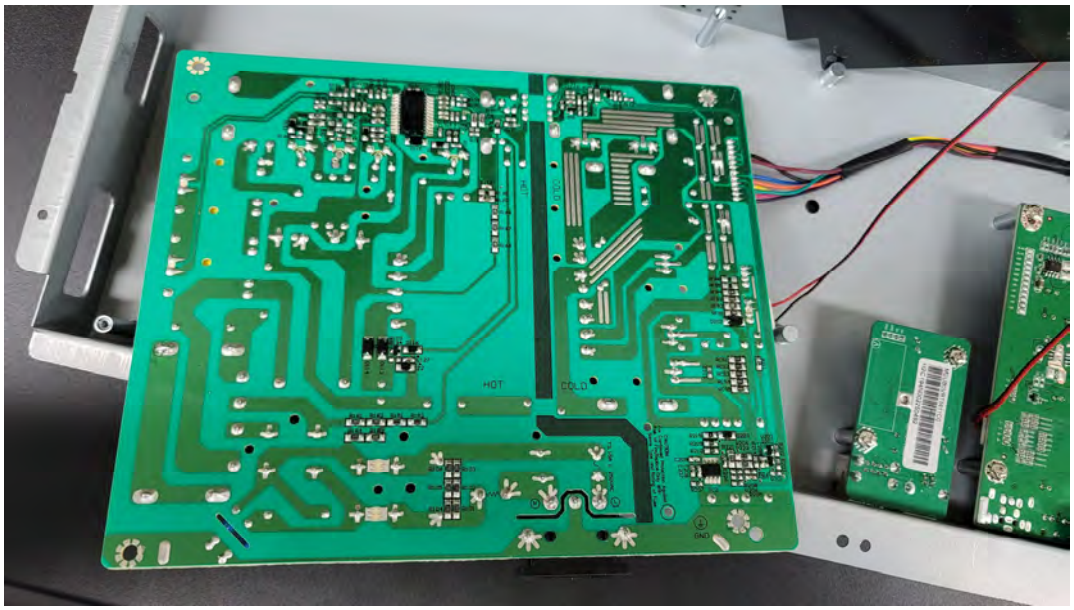
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EUT Internal View – Power Board

(Top)



(Bottom)



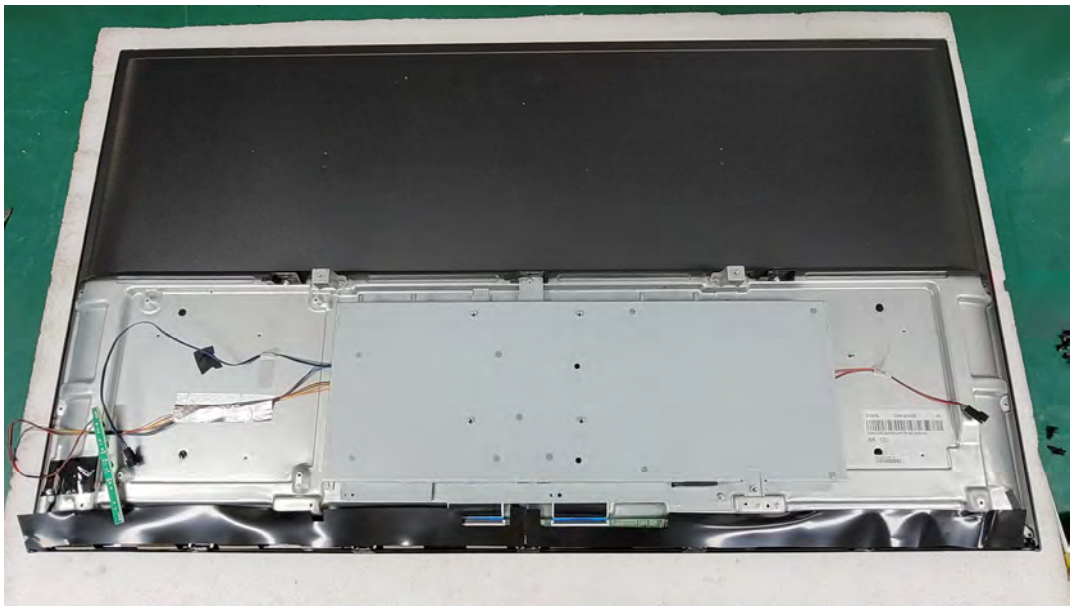
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EUT Internal View – Display panel

(Top)



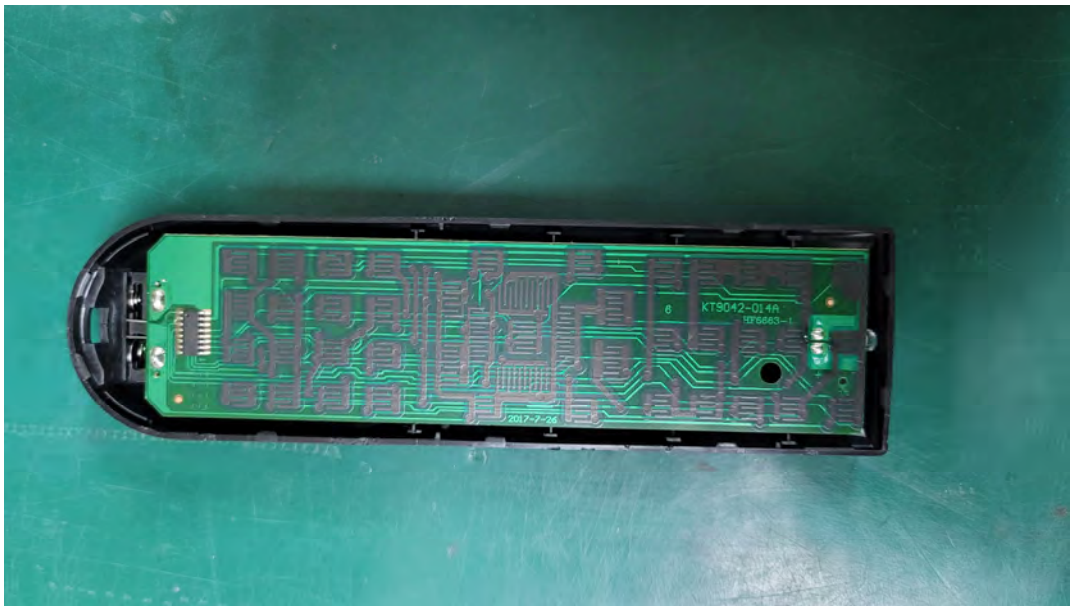
(Bottom)



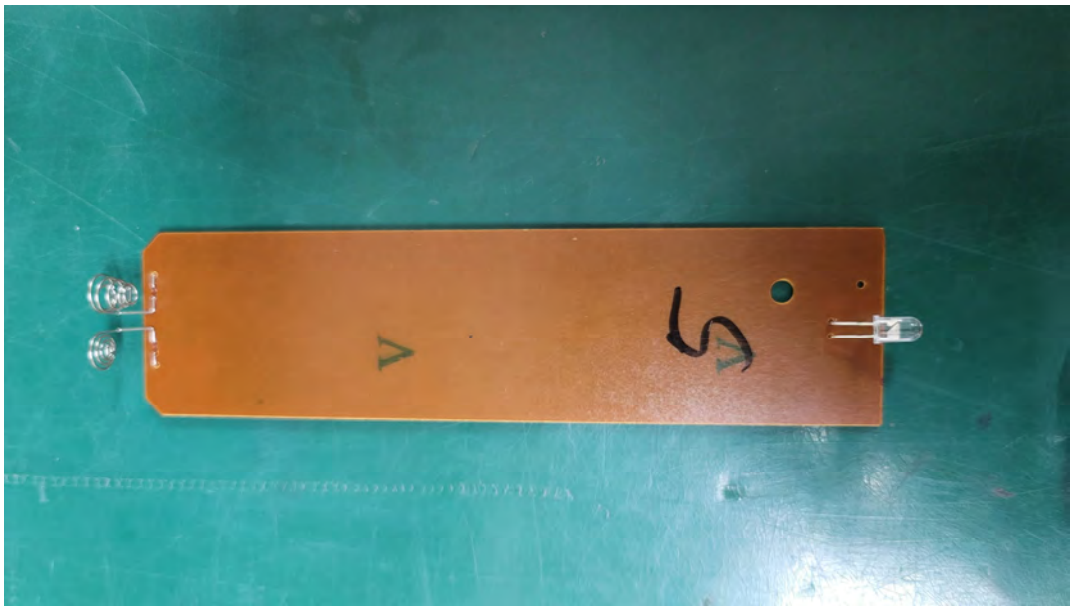
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EUT Internal View – Remote Control Board

(Top)

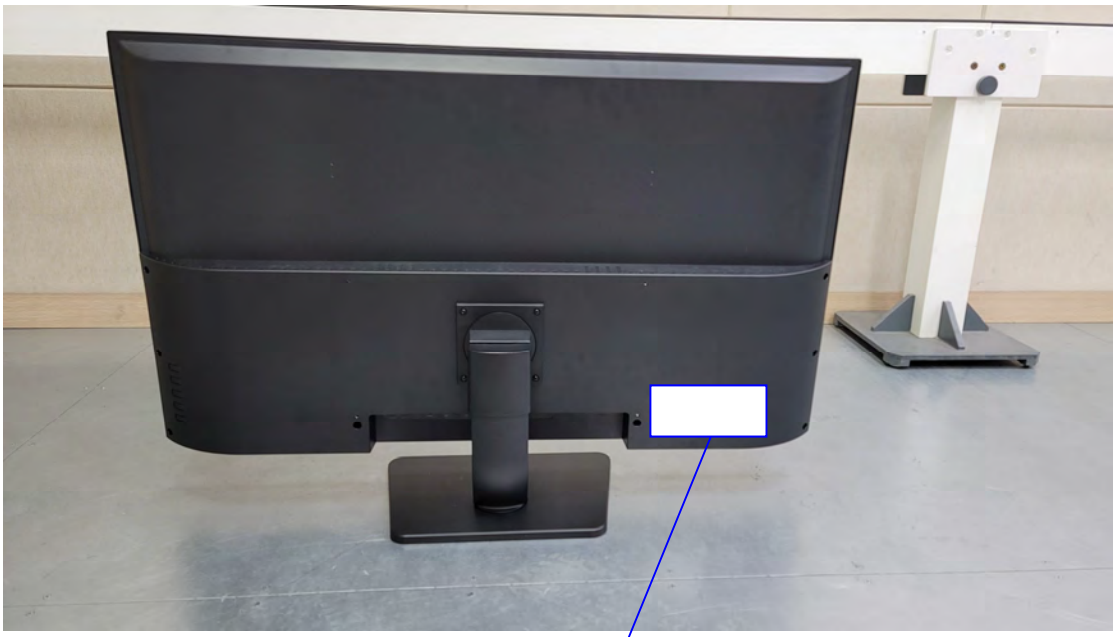


(Bottom)



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Label Photographs



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