



## EMC TEST REPORT

Test Report No. : KES-EM-22T0921-R1  
Date of Issue : Feb. 24, 2023  
Product name : Network Camera  
Model/Type No. : XNP-6371RH  
Variant Model : -  
Applicant : Hanwha Vision Co., Ltd  
Applicant Address : 6, Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si,  
Gyeonggi-do, Republic of Korea  
Manufacturer : 1. HANWHA VISION VIETNAM COMPANY LIMITED  
2. D-TECH CO.,LTD.  
Manufacturer Address : 1. Lot O-2, Que Vo Industrial Zone extended area,  
Nam Son commune, Bac Ninh city, Bac Ninh province, Vietnam  
2. 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi- do,  
Korea (Suwon Industrial Complex)  
Equipment authorization : **Supplier's Declaration of Conformity**  
Date of Receipt : Oct. 27, 2022  
Test date : Nov. 07, 2022 ~ Nov. 08, 2022  
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
Nov. 16, 2022	KES-EM-22T0921	Issued
Feb. 24, 2023	KES-EM-22T0921-R1	Change the Applicant and Manufacturer at the request of the customer

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## 1.0 General Product Description

### Main Specifications of EUT are:

#### Video

Imaging Device	1/2" 2MP CMOS
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 60fps/50fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Color: 0.01Lux(F1.5, 1/30sec) BW: 0Lux(IR LED)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation

#### Lens

Focal Length (Zoom Ratio)	6~222mm(37x) zoom
Max. Aperture Ratio	F1.5(Wide)~F4.6(Tele)
Angular Field of View	H: 59.3°(Wide)~1.9°(Tele) / V: 35.8°(Wide)~1.1°(Tele)
Min. Object Distance	1.5m(3.28ft)
Focus Control	Oneshot AF
Lens Type	DC auto iris

#### Pan / Tilt / Rotate

Pan Range	360° Endless
Pan Speed	Preset: 400°/sec, Manual: 0.024°/sec ~ 250°/sec
Tilt Range	190°(-5°~185°)
Tilt Speed	Preset: 300°/sec, Manual: 0.024°/sec ~ 250°/sec
Sequence	Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Preset Accuracy	±0.2°

#### Operational

Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SDDR
Wide Dynamic Range	150dB
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support(built-in gyro sensor)
Defog	Support
Motion Detection	8ea, rectangular zones
Privacy Masking	24ea, rectangular zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip, Mirror
Analytics	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification, Shock detection
Serial Interface	RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
Alarm I/O	Input 4ea / Output 2ea
Alarm Triggers	Analytics, Network disconnect, Alarm input

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Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output PTZ Preset
Audio In	Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max.output level: 1Vrms
IR Viewable Length	350m(1,148.29ft)
Auto Tracking	Support

### Network

Ethernet	RJ-45(10/100BASE-T), SFP(Optional)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Audio Compression	G.711 u-law /G.726 Selectable G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48Kbps at 16KHz
Smart Codec	Manual(Sea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast Multiple streaming (Up to 10 profiles)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, SRTP, LLDP
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform

### General

Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Web Viewer	Support OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended browser : Google Chrome Supported browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari (Mac OS X only)
Edge Storage	SD/SDHC/SDXC 1slot 256GB
Memory	1024MB RAM, 256MB Flash

### Environmental & Electrical

Operating Temperature / Humidity	-50°C~+55°C (-122°F~+131°F) / Less than 90% RH
Storage Temperature / Humidity	-50°C~+60°C (-122°F~+140°F) / Less than 90% RH
Certification	IP66, IK10
Input Voltage	24VAC
Power Consumption	24VAC: Max 90W

### Mechanical

Color / Material	Body: Ivory / Plastic, Head: Black / Plastic
Product Dimensions / Weight	Ø236.9x407.7mm(9.33x16.05"), 7.1Kg(15.65 lb)
Hanging Mount (Dome)	SBP-303HF(SFP)

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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
Network Camera	XNP-6371RH	-	HANWHA VISION VIETNAM COMPANY LIMITED	EUT

## 1.5 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
AC Adapter	-	-	-	-
Notebook	P95G001	8KM8HT2	DELL INC.	-
Notebook Adapter	LA65NS2-01	-	LITE-ON TECHNOLOGY (CHANGZHOU)CO.,LTD.	-
LED Alarm	PRO-SL	-	SENSOR PRO	-
Button Alarm	-	-	-	-
Headset	K550	-	Britz®	-
Smartphone	G8441	-	SONY	-
Controller	SPC-1010	C50E67WG10100 F	SamSung Techwin Co.,Ltd.	-
Controller Adapter	FSP060-DIBAN2	-	Zhonghan Electronics (Shenzhen) Co., Ltd.	-
SD CARD	-	-	SanDisk	-



## 1.6 External I/O Cabling

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
Network Camera (EUT)	AC IN	AC adapter	Line	1.9	U
	RJ-45	Notebook	RJ-45	3.0	U
	RS-485	Controller	RS-485	3.0	U
	Alarm OUT	LED Alarm	Alarm IN	3.0	U
	Alarm IN	Button Alarm	Alarm OUT	3.0	U
	AUDIO IN	Headset	Line	1.8	U
	AUDIO OUT				
	SD CARD Slot	SD CARD	SD CARD Slot	-	-

\* Unshielded=U, Shielded=S

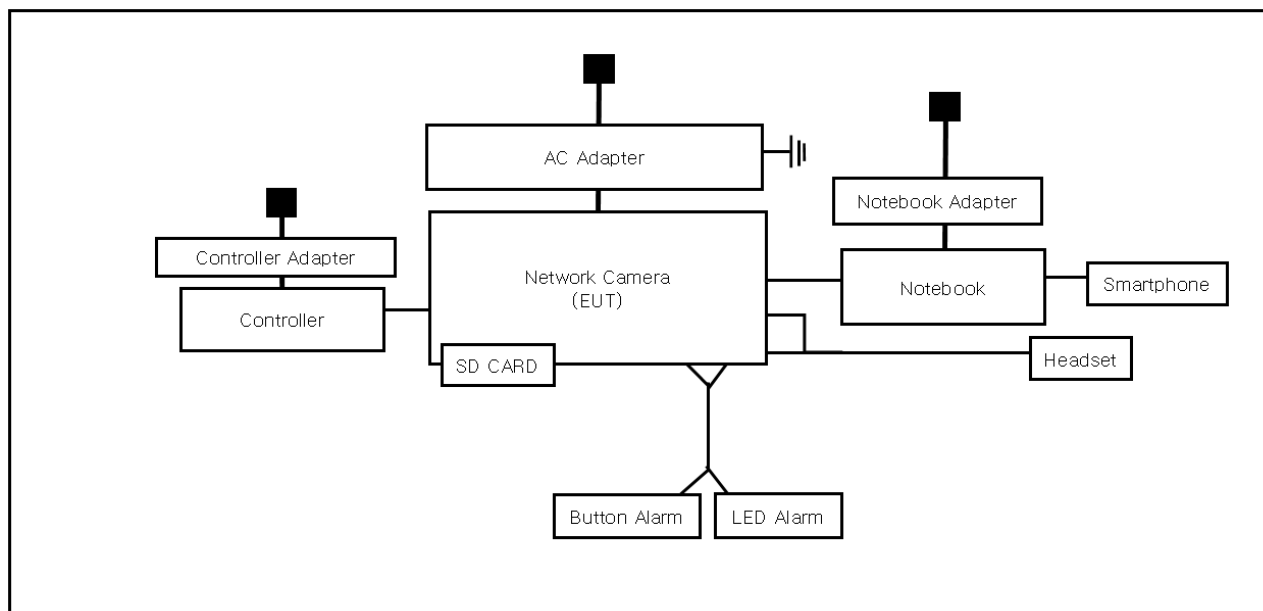
## 1.7 EUT Operating Mode(s)

Test Mode	operating
Operation	1. Check whether the image of the camera is normally output on the web page of the laptop and check whether the network is connected properly through a ping test. 2. Check whether the 1 kHz tone sound played on the smartphone is normally output to the headset. 3. After the test, check that the SD card is recorded normally.

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

## 1.8 Configuration

■ AC Main  
 □ DC Main





## 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

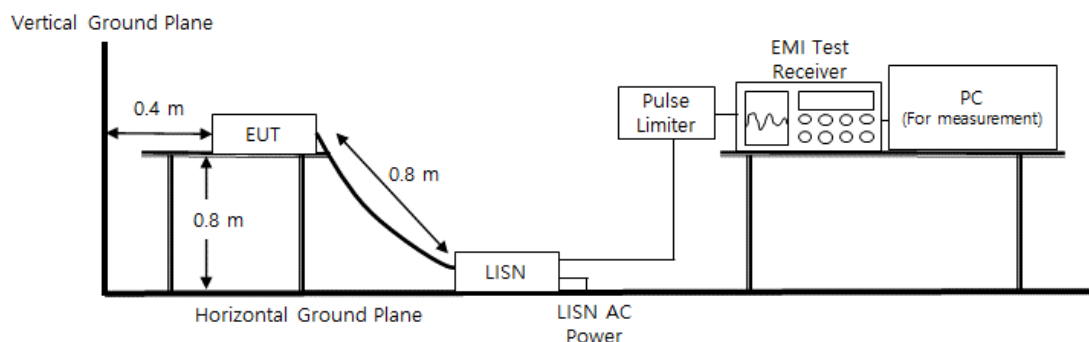
**Test Date**  
 Nov. 07, 2022

**Test Location**  
 Electro wave Shieldroom #6

### Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
<input checked="" type="checkbox"/>	EMI Test S/W	EMC32	R & S	9.12.00	-
<input checked="" type="checkbox"/>	EMI TEST RECEIVER	ESR3	R & S	101783	11, 11, 2023
<input checked="" type="checkbox"/>	LISN	ENV216	R & S	101787	11, 10, 2023
<input checked="" type="checkbox"/>	LISN	ESH2-Z5	R & S	100450	11, 10, 2023
<input checked="" type="checkbox"/>	PULSE LIMITER	ESH3-Z2	R & S	101915	11, 10, 2023

### Diagram of test setup



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### Test Conditions

Temperature: (22,5 ± 0,1) °C

Relative Humidity: (47,5 ± 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.

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## 2.2 Radiated Electric Field Emissions(Below 1 GHz)

### Test Date

Nov. 07, 2022

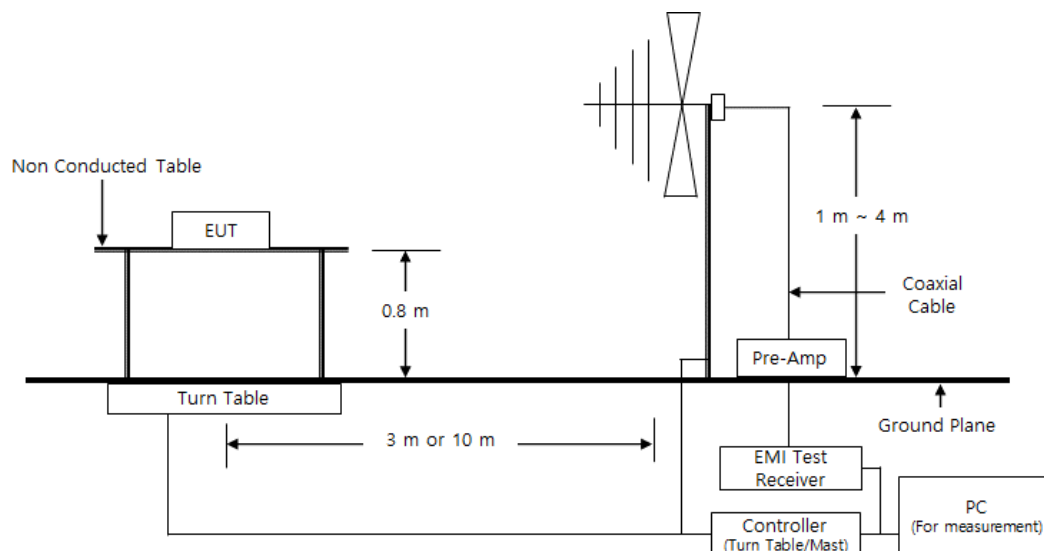
### Test Location

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

### Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
<input checked="" type="checkbox"/>	EMI Test S/W	EP5/RE	TOYO Corporation	6.0.0	-
<input checked="" type="checkbox"/>	EMI TEST RECEIVER	ESU26	R & S	100551	03, 31, 2023
<input checked="" type="checkbox"/>	AMPLIFIER	SCU 01	R & S	100603	11, 10, 2023
<input checked="" type="checkbox"/>	BILOG ANTENNA	VULB 9168	SCHWARZBECK	9168-461	04, 27, 2024
<input checked="" type="checkbox"/>	ATTENUATOR	8491A	HP	32173	03, 08, 2023

### Diagram of test setup





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### Test Conditions

Temperature: (22,5 ± 0,1) °C

Relative Humidity: (47,5 ± 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

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## 2.3 Radiated Electric Field Emissions(Above 1 GHz)

### Test Date

Nov. 08, 2022

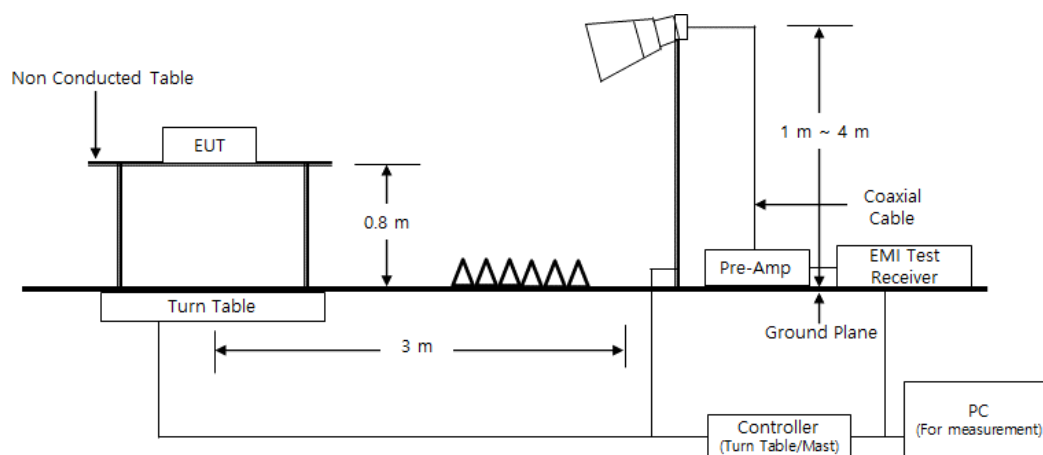
### Test Location

SEMI ANECHOIC CHAMBER #5

### Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
<input checked="" type="checkbox"/>	EMI Test S/W	ES10/RE	TOYO Corporation	2022.01.000	-
<input checked="" type="checkbox"/>	EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	03, 31, 2023
<input checked="" type="checkbox"/>	DOUBLE RIDGED HORN ANTENNA	SAS-571	A.H.SYSTEM,INC	781	03, 03, 2023
<input checked="" type="checkbox"/>	PREAMPLIFIER	8449B	HP	3008A00538	06, 02, 2023
<input checked="" type="checkbox"/>	ATTENUATOR	8491B	HP	23094	04, 21, 2023

### Diagram of test setup





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### Test Conditions

Temperature: (22,7 ± 0,1) °C

Relative Humidity: (47,1 ± 0,1) % R.H.

### Frequency Range of Measurement

1 GHz to 5 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.

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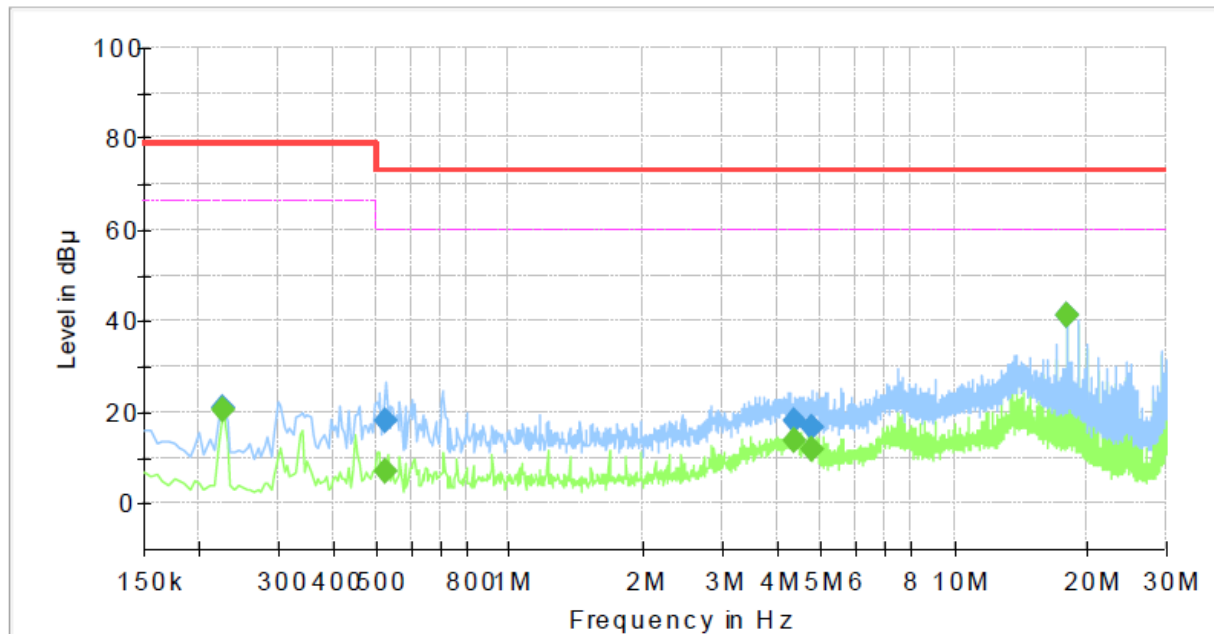


## APPENDIX A – TEST DATA

### Conducted Emissions at Mains Power Ports HOT LINE

#### Common Information

Test Description:	Conducted Emission
Model No.:	XNP-6371RH
Phase:	L1
Mode:	
Operator Name:	KES



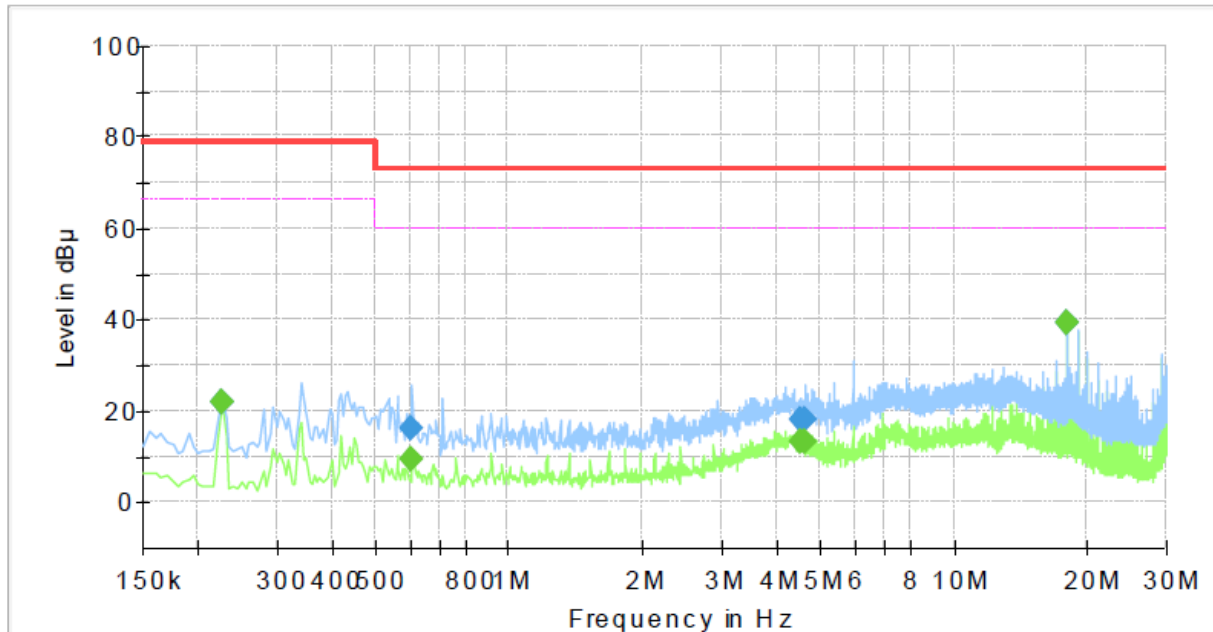
#### Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.225000	---	20.54	66.00	45.46	1000.0	9.000	L1	19.5
0.225000	20.81	---	79.00	58.19	1000.0	9.000	L1	19.5
0.525000	---	7.06	60.00	52.94	1000.0	9.000	L1	19.8
0.525000	17.79	---	73.00	55.21	1000.0	9.000	L1	19.8
4.395000	---	13.58	60.00	46.42	1000.0	9.000	L1	19.8
4.395000	18.15	---	73.00	54.85	1000.0	9.000	L1	19.8
4.795000	---	11.56	60.00	48.44	1000.0	9.000	L1	19.7
4.795000	16.75	---	73.00	56.25	1000.0	9.000	L1	19.7
17.920000	---	41.19	60.00	18.81	1000.0	9.000	L1	20.0
17.920000	41.33	---	73.00	31.67	1000.0	9.000	L1	20.0

## NEUTRAL LINE

### Common Information

Test Description: Conducted Emission  
Model No.: XNP-6371RH  
Phase: N  
Mode:  
Operator Name: KES



### Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.225000	---	21.71	66.00	44.29	1000.0	9.000	N	19.5
0.225000	21.94	---	79.00	57.06	1000.0	9.000	N	19.5
0.605000	---	9.09	60.00	50.91	1000.0	9.000	N	19.8
0.605000	16.04	---	73.00	56.96	1000.0	9.000	N	19.8
4.505000	---	13.36	60.00	46.64	1000.0	9.000	N	19.8
4.505000	18.02	---	73.00	54.98	1000.0	9.000	N	19.8
4.620000	---	13.26	60.00	46.74	1000.0	9.000	N	19.7
4.620000	18.17	---	73.00	54.83	1000.0	9.000	N	19.7
17.920000	---	39.03	60.00	20.97	1000.0	9.000	N	20.0
17.920000	39.16	---	73.00	33.84	1000.0	9.000	N	20.0

#### ◆ 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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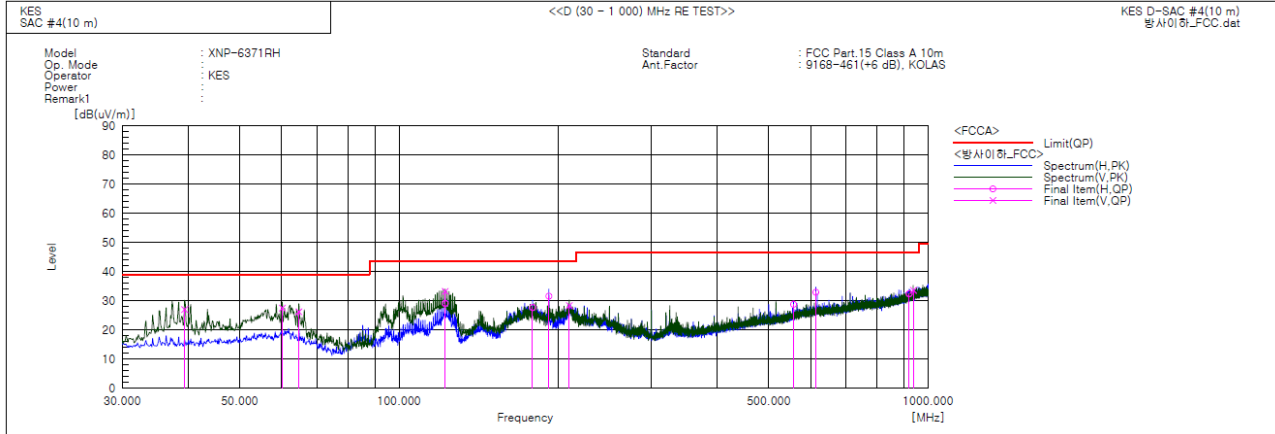
Report No.:

KES-EM-22T0921-R1

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## Radiated Electric Field Emissions(Below 1 GHz)

- 47 CFR Part 15, Subpart B



### 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	39.336	V	49.1	-22.1	27.0	39.0	12.0	100.0	255.0	
2	60.191	V	49.0	-21.5	27.5	39.0	11.5	177.0	315.0	
3	64.678	V	48.1	-21.9	26.2	39.0	12.8	100.0	333.0	
4	122.271	H	51.5	-22.4	29.1	43.5	14.4	347.0	42.0	
5	122.271	V	55.6	-22.4	33.2	43.5	10.3	122.0	99.0	
6	178.895	H	48.8	-21.1	27.7	43.5	15.8	398.0	231.0	
7	191.990	H	53.9	-22.3	31.6	43.5	11.9	400.0	146.0	
8	209.814	V	50.7	-22.3	28.4	43.5	15.1	130.0	337.0	
9	556.831	H	37.8	-9.0	28.8	46.5	17.7	399.0	15.0	
10	613.455	H	39.9	-7.0	32.9	46.5	13.6	366.0	168.0	
11	920.945	H	34.2	-1.8	32.4	46.5	14.1	390.0	190.0	
12	937.556	V	34.9	-1.3	33.6	46.5	12.9	100.0	192.0	

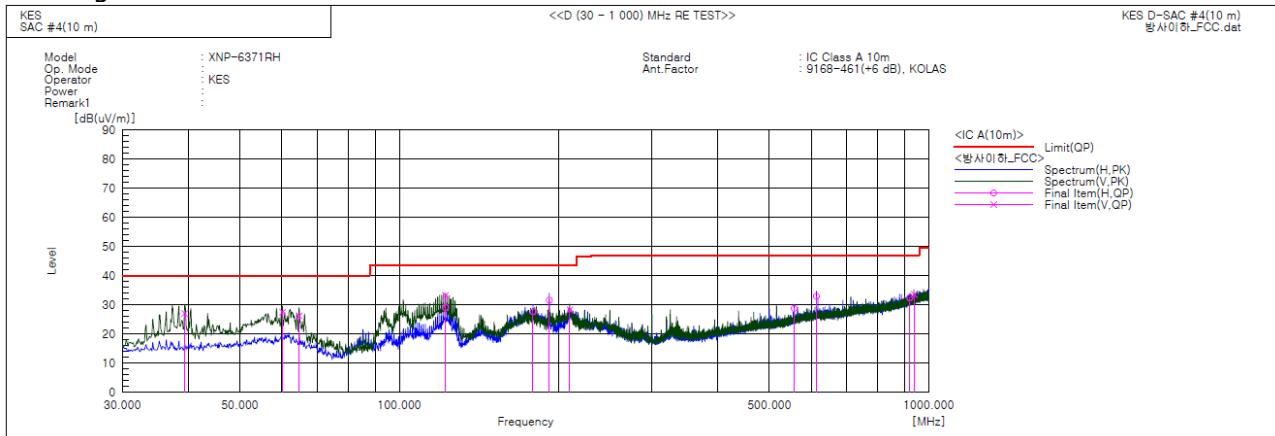
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- IC Regulation ICES-003 Issue 7



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	39.336	V	49.1	-22.1	27.0	40.0	13.0	100.0	255.0	
2	60.191	V	49.0	-21.5	27.5	40.0	12.5	177.0	315.0	
3	64.678	V	48.1	-21.9	26.2	40.0	13.8	100.0	333.0	
4	122.271	H	51.5	-22.4	29.1	43.5	14.4	347.0	42.0	
5	122.271	V	55.6	-22.4	33.2	43.5	10.3	122.0	99.0	
6	178.895	H	48.8	-21.1	27.7	43.5	15.8	398.0	231.0	
7	191.990	H	53.9	-22.3	31.6	43.5	11.9	400.0	146.0	
8	209.814	V	50.7	-22.3	28.4	43.5	15.1	130.0	337.0	
9	556.831	H	37.8	-9.0	28.8	47.0	18.2	399.0	15.0	
10	613.455	H	39.9	-7.0	32.9	47.0	14.1	366.0	168.0	
11	920.945	H	34.2	-1.8	32.4	47.0	14.6	390.0	190.0	
12	937.556	V	34.9	-1.3	33.6	47.0	13.4	100.0	192.0	

◆ Calculation - SAC #4(10 m)

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

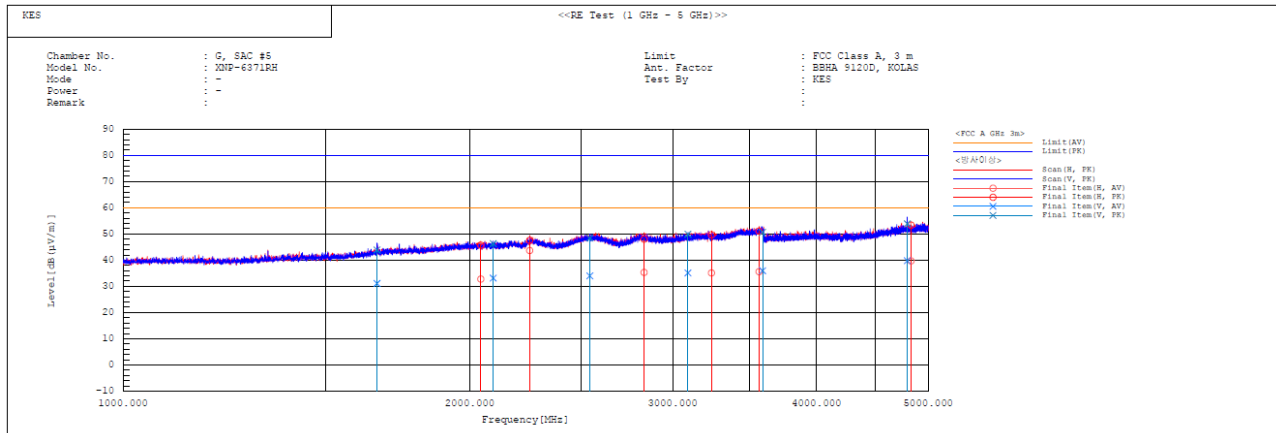
Margin(QP)[dB] = Limit[dB(μV/m)] - Result(QP) [dB(μV/m)]

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)



### 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	1661.578	V	30.3	43.1	0.8	31.1	43.9	60.0	80.0	28.9	36.1	150.0	12.1	
2	2044.739	H	28.6	41.5	4.2	32.8	45.7	60.0	80.0	27.2	34.3	199.0	359.3	
3	2096.466	V	28.7	41.9	4.4	33.1	46.3	60.0	80.0	26.9	33.7	108.0	16.6	
4	2255.134	H	38.9	42.8	4.8	43.7	47.6	60.0	80.0	16.3	32.4	398.0	88.7	
5	2542.989	V	28.5	42.9	5.5	34.0	48.4	60.0	80.0	26.0	31.6	164.0	0.9	
6	2834.064	H	28.8	41.5	6.5	35.3	48.0	60.0	80.0	24.7	32.0	373.0	196.7	
7	3094.141	V	28.1	42.9	7.0	35.1	49.9	60.0	80.0	24.9	30.1	102.0	297.8	
8	3243.117	H	27.8	42.4	7.3	35.1	49.7	60.0	80.0	24.9	30.3	303.0	168.3	
9	3566.418	H	27.7	43.2	7.9	35.6	51.1	60.0	80.0	24.4	28.9	400.0	154.0	
10	3590.992	V	28.0	42.6	8.0	36.0	50.6	60.0	80.0	24.0	29.4	108.0	55.8	
11	4795.448	V	27.4	41.5	12.4	39.8	53.9	60.0	80.0	20.2	26.1	147.0	137.5	
12	4830.994	H	27.0	40.7	12.7	39.7	53.4	60.0	80.0	20.3	26.6	400.0	81.4	

### ◆ 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

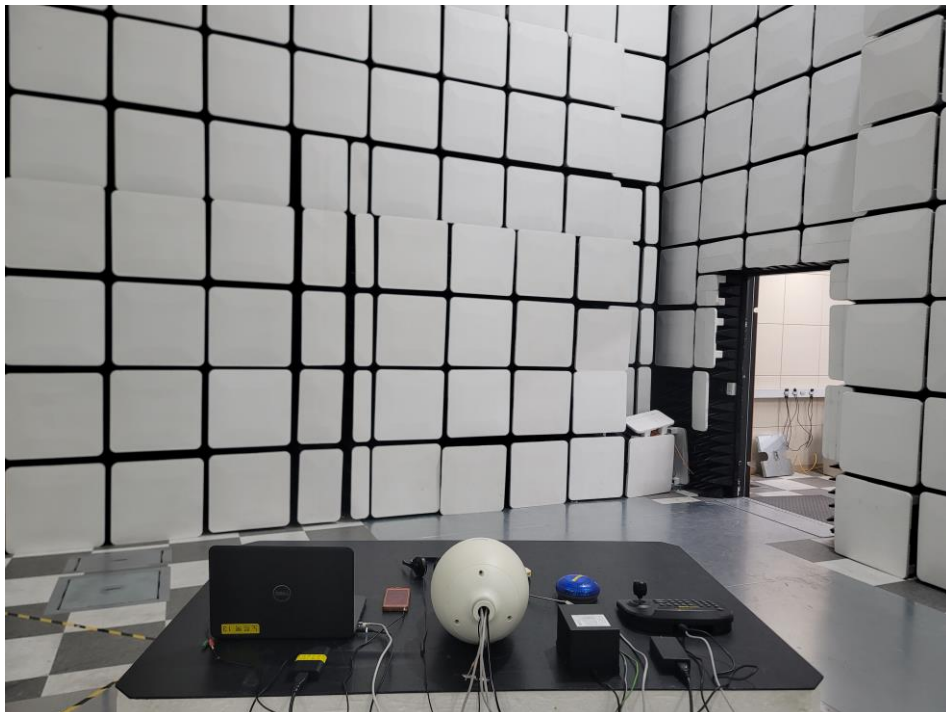
### Conducted Emissions at Mains Power Ports



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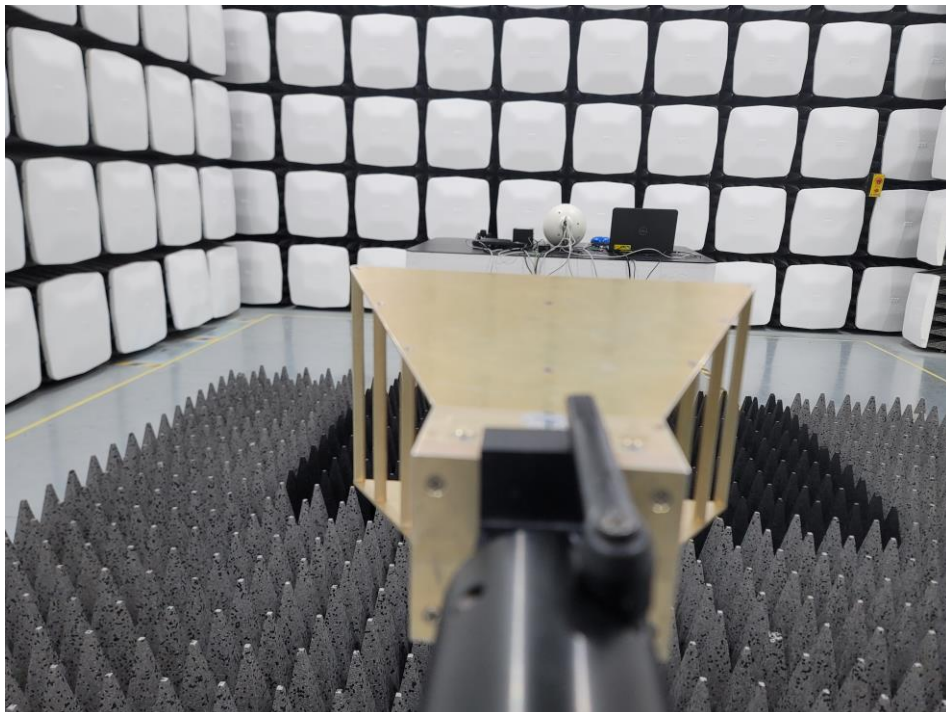


## Radiated Electric Field Emissions(Below 1 GHz)



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## Radiated Electric Field Emissions(Above 1 GHz)



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## EUT External Photographs

(Top)



(Bottom)



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## EUT Internal Photographs

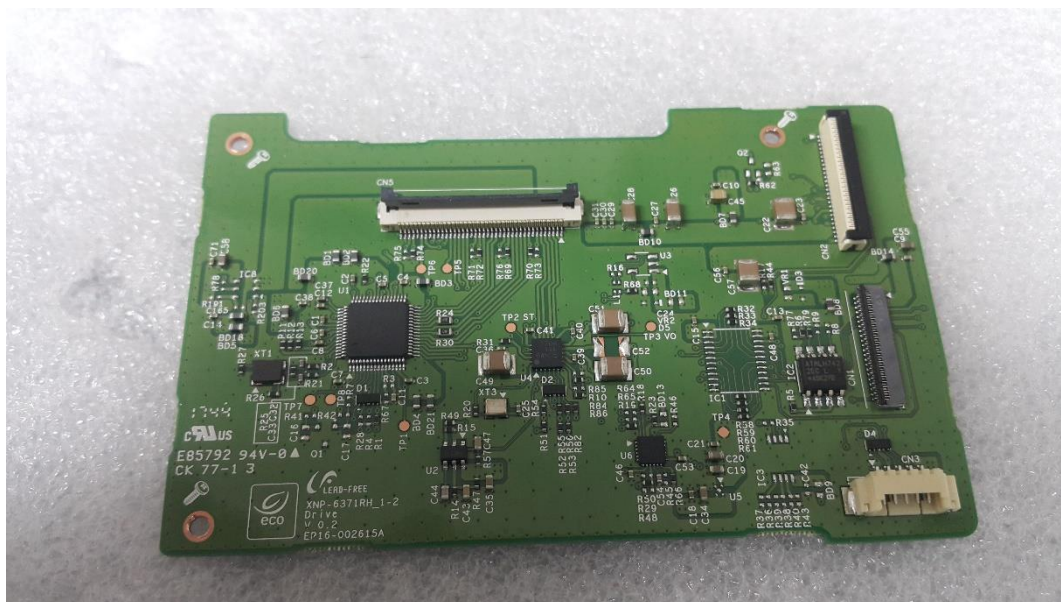
(Internal View)



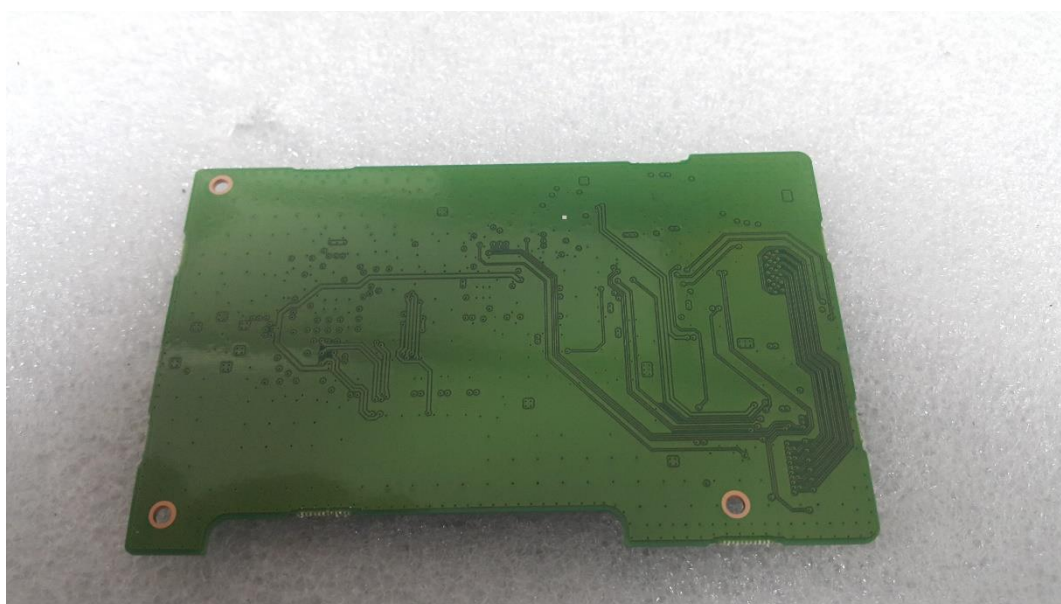
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## EUT Internal View – Main Board

(Top)



(Bottom)







## EUT Internal View – IR Board

(Top)



## EUT Internal View – Motor

(Top)



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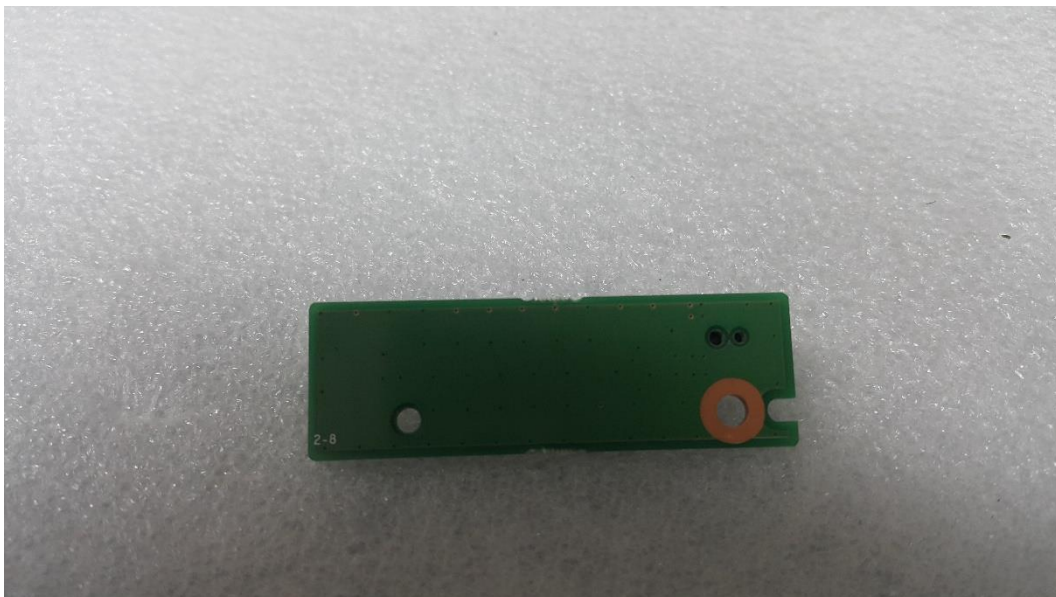


**EUT Internal View – SUB Board 1**

(Top)



(Bottom)

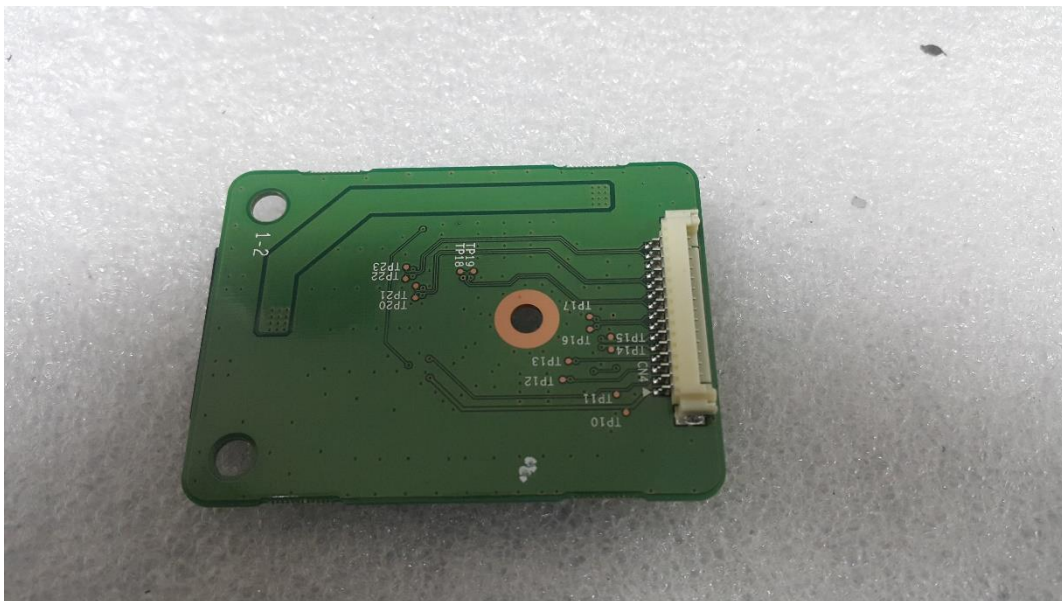


**EUT Internal View – SUB Board 2**

(Top)



(Bottom)



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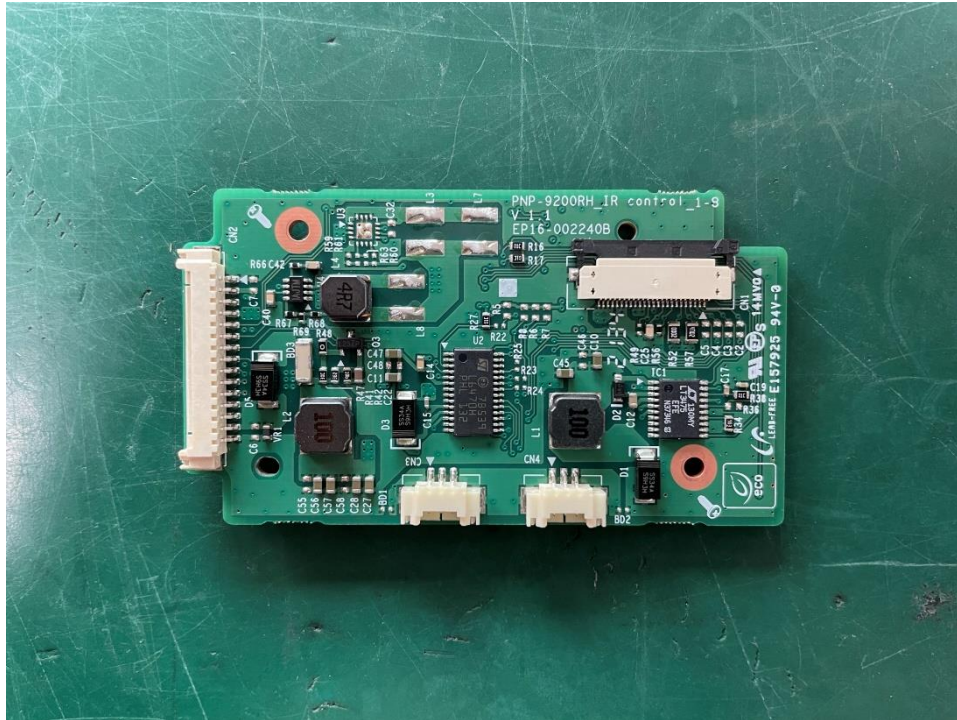
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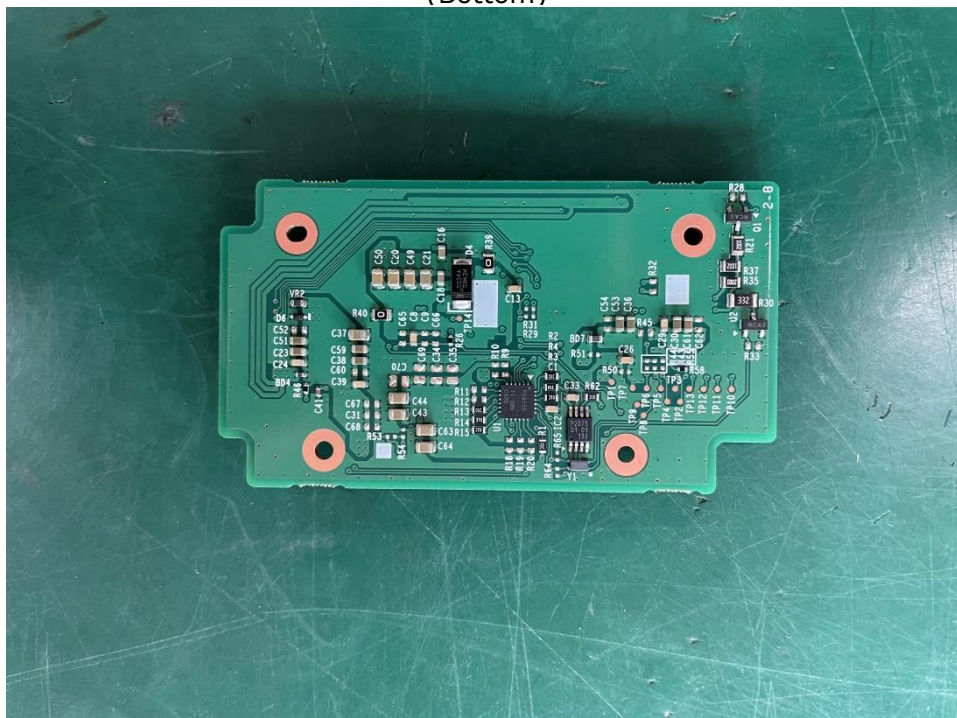


## EUT Internal View – SUB Board 3

(Top)



(Bottom)

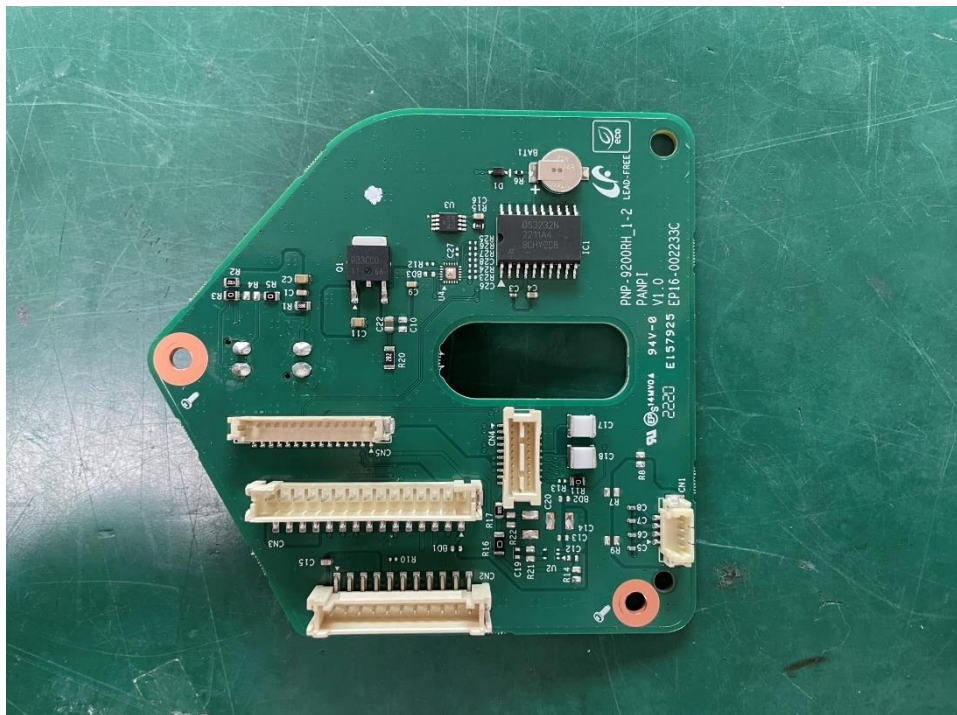


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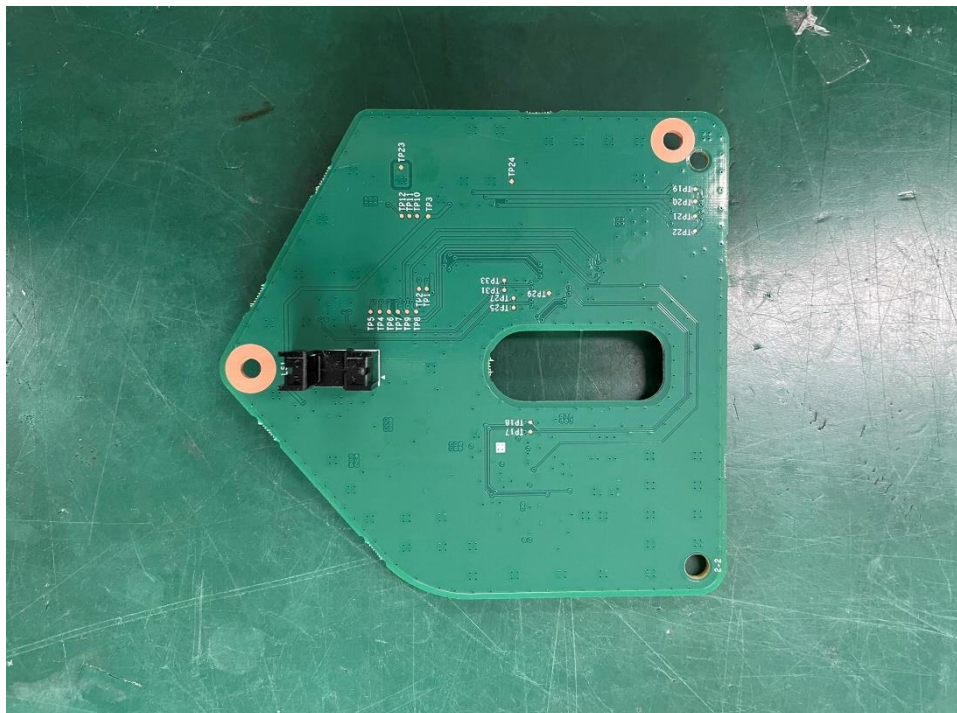


## EUT Internal View – SUB Board 4

(Top)



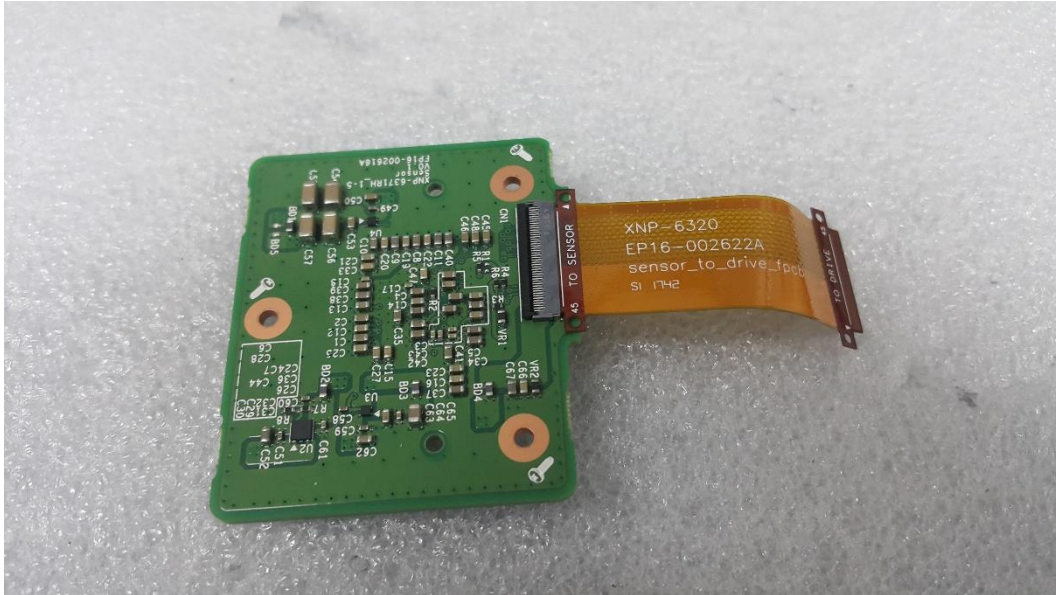
(Bottom)



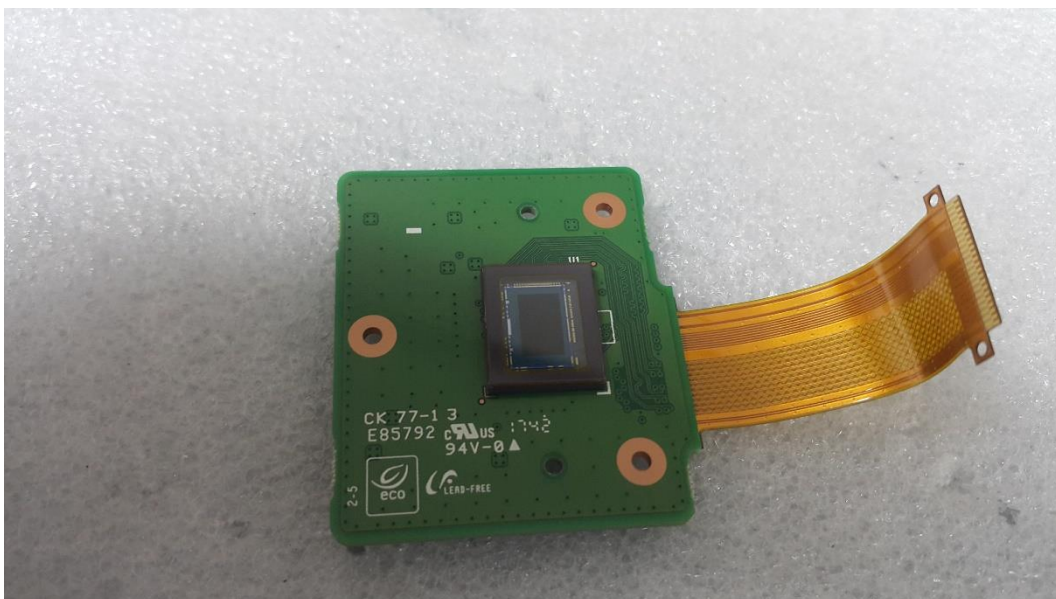
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## EUT Internal View – Sensor Board

(Top)



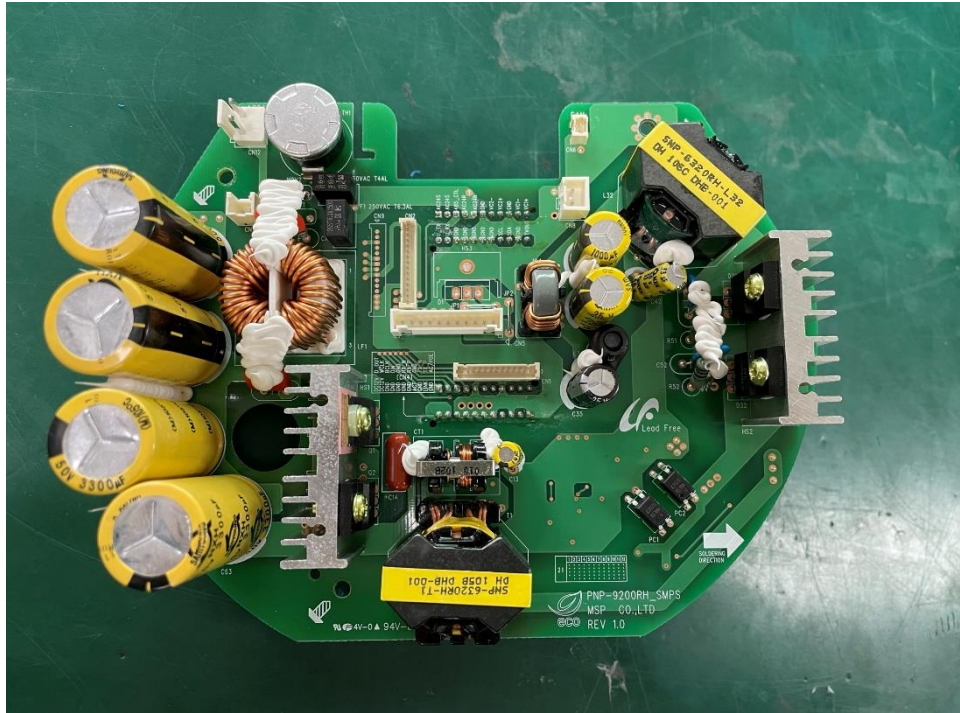
(Bottom)



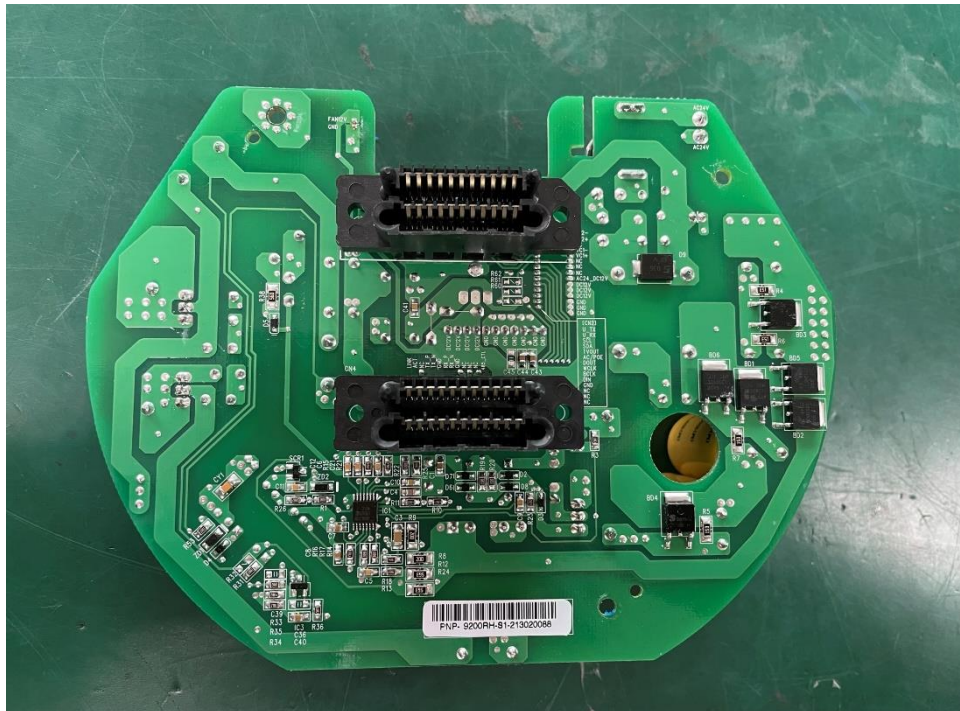


## EUT Internal View – Power Board

(Top)



(Bottom)



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## Label Photographs

### FCC Label



Hanwha Vision Co., Ltd

XNP-6371RH

### 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.