



# TEST REPORT



Report No. : KES-EM242543

Page 1 / 29

**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 : NETWORK CAMERA

Model/Type No. : QND-C8023R

Variant Model : QND-C8013R

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 Ward, Bac Ninh City, Bac Ninh Province, Vietnam  
2. 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi- do, Korea (Suwon Industrial Complex)

3. Date of Receipt : Jul. 24, 2024

4. Test date : Jul. 26, 2024 ~ Jul. 28, 2024

5. Date of Issue : Aug. 02, 2024

6. Test Results : In Compliance

*Tested by*

*Reviewed by*

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Eun Gu, Jeon  
EMC Test Engineer

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Dong Hun, Jang  
EMC Technical Manager

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

KES-QP16-F01(00-23-01-01)

KES Co., Ltd.

The authenticity of this test report can be found on the verification page of our website ([www.kes.co.kr](http://www.kes.co.kr))

**REPORT REVISION HISTORY**

Date	Test Report No.	Revision History
Aug. 02, 2024	KES-EM242543	Issued

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## TABLE OF CONTENTS

1.0	General Product Description.....	4
1.1	Test Voltage & Frequency .....	6
1.2	Variant Model Differences .....	6
1.3	Device Modifications .....	6
1.4	Equipment Under Test .....	6
1.5	Support Equipments .....	6
1.6	External I/O Cabling.....	7
1.7	EUT Operating Mode(s).....	7
1.8	Configuration.....	8
1.9	Remarks when standards applied .....	9
1.10	Calibration Details of Equipment Used for Measurement.....	9
1.11	Test Facility .....	9
1.12	Laboratory Accreditations and Listings .....	9
2.0	Test Regulations .....	10
2.1	Conducted Emissions Mains Power Ports.....	11
2.2	Conducted Emissions at Telecommunication Ports.....	12
2.3	Radiated Electric Field Emissions(Below 1 GHz).....	13
2.4	Radiated Electric Field Emissions(Above 1 GHz) .....	14
APPENDIX A – TEST DATA .....		15
Conducted Emissions at Mains Power Ports .....		15
Conducted Emissions at Telecommunication Ports .....		17
Radiated Electric Field Emissions(Below 1 GHz) .....		18
Radiated Electric Field Emissions(Above 1 GHz).....		19
Test Setup Photos and Configuration.....		20
Conducted Emissions at Mains Power Ports .....		20
Conducted Emissions at Telecommunication Ports .....		21
Radiated Electric Field Emissions(Below 1 GHz) .....		22
Radiated Electric Field Emissions(Above 1 GHz).....		23
EUT External Photographs.....		24
EUT Internal Photographs.....		25



## 1.0 General Product Description

Main Specifications of EUT are:

Highest Maximum Frequency	Above 108 MHz
<b>Video</b>	
Imaging Device	1/2.8" CMOS
Resolution	2592x1944, 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) (WDR on/off) MJPEG: Max. 30fps(@5MP Max. 5fps)
Min. Illumination	Color: 0.03Lux(F1.6, 1/30sec, 30IRE) BW: 0.003Lux(F1.6, 1/30sec, 30IRE), 0Lux(IR LED on) (TBD)
Video Out	USB: Micro USB Type B, 1280x720 for installation
<b>Lens</b>	
Focal Length (Zoom Ratio)	4.0mm fixed focal
Max. Aperture Ratio	F1.6
Angular Field of View	H: 80° / V: 59° / D: 102°
Min. Object Distance	0.5m (1.64ft)
Focus Control	Fixed
Lens Type	Fixed IRIS
Mount Type	M12
<b>Pan / Tilt / Rotate</b>	
Pan / Tilt / Rotate Range	0°~350° / 0°~70° / 0°~355°
<b>Operational</b>	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SDR
Wide Dynamic Range	120dB
Digital Noise Reduction	WiseNR II (Based on AI engine) SSNR V
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, 4point quadrangle zones - Color: Gray/Green/Red/Blue/Black/White Dynamic Privacy Mask - Mosaic
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/25,000sec) Prefer shutter control(Based on AI engine)
Video Rotation	Flip, Mirror, Halfway view(90°/270°)
Analytics	Classified object type: Person/Vehicle(Type:car/bus/truck/motorcycle/bicycle) Attributes: Person(Upper/lower clothes color), Vehicle(Type:car/bus/truck/motorcycle/bicycle and color) Support DetectionShot Analytics events based on AI engine - Motion detection*, Object detection, Virtual line*(Crossing/Direction), Virtual area*(Loitering/Intrusion/Enter/Exit) Analytics events - Defocus detection, Tampering, Virtual area(Appear/Disappear)  * Some of the video analytics only works with people and vehicle detection
Business Intelligence	Based on AI engine: People counting, Vehicle counting, Queue management, Heatmap
Alarm I/O	Input 1ea / Output 1ea * Alarm I/O is supported through an optional cable(SPP-C7200)
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	When alarm trigger occurred - File upload(image) : e-mail/FTP - Notification : e-mail - Recording : SD/SDHC/SDXC or NAS recording at event triggers - Alarm output - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP) - MQTT: publication
Audio In	Built-in MIC
Light Type	IR LED (850nm)
Light Viewable Length	25m(82.02ft) (TBD)
IR Wavelength	long-life 850 nm IR LED



Report No. : KES-EM242543

<b>Network</b>	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/High, MJPEG
Smart Codec	Manual(Sea area), WiseStreamIII(Based on AI engine)
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast Multiple streaming(Up to 5 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, UPnP, Bonjour, LLDP, CDP, SRTP (TCP, UDP Unicast), MQTT
Application Programming Interface	ONVIF Profile S/G/T/M SUNAPI(HTTP API)
<b>Security</b>	
OS / Firmware Protect	Secure boot, Signed firmware, Firmware encryption
User authentication	Digest Authentication, Prevent brute-force attack
Network authentication	802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)
Secure Communication	HTTPS, SRTP, WSS(Websocket secure)
Access Control	Access control based on IP address
Data Protect	Authentication information encryption, ZIP compression encryption
Audit	User Access/System/Event log management
Device ID	Device Certificate(Hanwha Private Root CA)
Secure Storage	SDcard partition encrypt
<b>General</b>	
Webpage Language	English, Korean, Simplified Chinese, Traditional Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Memory	2GB RAM, 1GB Flash
<b>Environmental &amp; Electrical</b>	
Operating Temperature / Humidity	-10°C~+45°C(+14°F~+113°F) / 0~95% RH(non-condensing)
Storage Temperature / Humidity	-30°C~+60°C(-22°F~+140°F) / 0~95% RH
Input Voltage	PoE(IEEE802.3af, Class3)
Power Consumption	PoE: Max 8.1W, typical 4.0W
<b>Mechanical</b>	
Color / Material	White / Plastic Bubble : Hard-coated dome
RAL Code	RAL9003
Product Dimensions / Weight	ø110x90mm(ø4.33x3.54"), 317.0g(0.70 lb)
Compatible Conduit hole / Gang	SBD-110GP1 : Single, Double, 4" Octagon (Sold separately)
<b>Certifications &amp; Standards</b>	
EMC	FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A KS C 9832 Class A, KS C 9835
Safety	UL 62368-1, CAN/CSA C22.2 NO. 62368-1 IEC/EN 62471
Environment	IEC/EN 63000
<b>Compatible Models</b>	
Hanging Adaptor	SBP-120HMMW
Back Box	SBV-140BW
Ceiling Mount (Assy)	SBP-300CMW1/900CMW, SBP-150CMI/300CMI, SBP-300CMTW, SBP-300CMTS
Wall Mount	SBP-125WMW1, SBP-300WMW/WMW1, SBP-390WMW2
Pole Mount	SBD-140PMW, SBP-300PMW2, SBD-140PMB
In-ceiling Mount	SHD-1200FPW
Corner Mount	SBP-300KMW1, SBD-140KMB
Parapet Mount	SBP-300LMW, SBP-156LMW1
Tilt Mount	SBV-140TMW
Cabinet	SBP-300NBW
Gang Plate	SBD-110GP1
Other Compatible Models	SPP-C7200 (Alarm Cable)
<b>DORI (EN62676-4 standard)</b>	
Detect (25PPM/ 8PPF)	61.8m(202.7ft)
Observe (63PPM/ 19PPF)	24.7m(81.1ft)
Recognize (125PPM/ 38PPF)	12.4m(40.5ft)
Identify (250PPM/ 76PPF)	6.2m(20.3ft)
<b>Ver</b>	
Ver	202407



## 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 100 V, 60 Hz

## 1.2 Variant Model Differences

Addition of a simple derivative model due to the difference in fixed lenses  
(No electronics in the lens)

## 1.3 Device Modifications

Not applicable

## 1.4 Equipment Under Test

Description	Model Number	Serial Number	Manufacturer	Remarks
NETWORK CAMERA	QND-C8023R	-	HANWHA VISION VIETNAM COMPANY LIMITED.	EUT

## 1.5 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
Laptop	P95G001	9JM8HT2	DELL INC.	-
Laptop Adapter	HA65NM130	-	Chicony Power Technology(Suzhou)Co.,Ltd.	-
Alarm	-	-	-	-
Button Alarm	-	-	-	-
Micro SD Card	-	-	SanDisk	16 GB
PoE Injector	MA-INJ-4		Changzhou Wujin Hong Guang radio Factory Co.,LTD	-
Headset	K550	-	Britz®	-
Cell Phone	SM-N960N	-	Samsung Electronics Co., Ltd.	-



## 1.6 External I/O Cabling

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
NETWORK CAMERA (EUT)	RJ-45 (PoE)	PoE Injector	RJ-45 (PoE)	3.1	U
	7 Pin (Alarm/Audio)	Headset	Line	2.2	U
		Alarm	Line	3.5	U
		Button Alarm	Line	3.5	U
	Micor SD Slot	Micor SD Card	Micor SD Slot	-	-
PoE Injector	RJ-45 (LAN)	Laptop	RJ-45	3.1	U
Laptop	DC Jack	Laptop Adapter	Line	1.4	U
	3.5 mm	Cell Phone	3.5 mm	1.2	U

\* Unshielded=U, Shielded=S

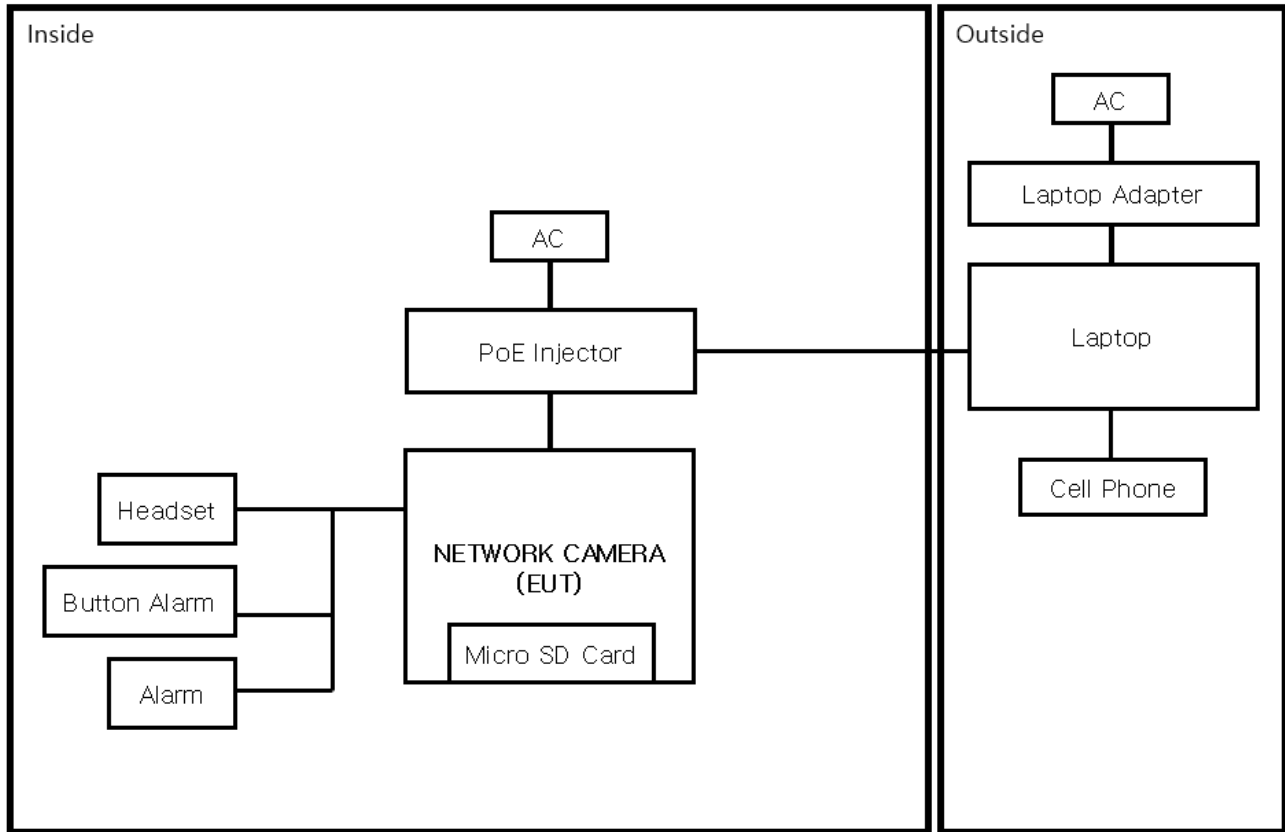
## 1.7 EUT Operating Mode(s)

Test mode	Normal operating	Test Voltages
Operating	<ul style="list-style-type: none"><li>- Monitoring EUT Using Web Viewer, Ping Test</li><li>- Check Audio Port Behavior Through Headset</li><li>- When the Button Alarm is pressed, make sure the Alarm is working</li><li>- Check the files stored on the Micro SD Card after testing</li></ul>	AC 100 V, 50 Hz

EUT Test operating S/W		
Name	Version	Manufacture Company
Web Viewer	-	Hanwha Vision Co., Ltd



## 1.8 Configuration







### 1.9 Remarks when standards applied

- The USB port was excluded from the test as a port for administrators.
  - It receives PoE power, and the PoE port is considered a wired network port.
- Test items related to the power port are not applicable.

### 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 0008



## 2.0 Test Regulations

The emissions tests were performed according to following regulations:

☒ **VCCI-CISPR 32:2016**

☒ Class A

☐ Class B





## 2.1 Conducted Emissions Mains Power Ports

**Test Date**

N/A

**Test Location**

Electro wave Shieldroom #6

**Test Equipment**

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

**Test Conditions**

Temperature:

°C

Relative Humidity:

% 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**Refer to 'Remarks when standards applied'.



## 2.2 Conducted Emissions at Telecommunication Ports

**Test Date**

Jul. 26, 2024

**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, 08, 2024
<input checked="" type="checkbox"/>	LISN	ENV216	R & S	101787	11, 08, 2024
<input checked="" type="checkbox"/>	LISN	ENV216	R & S	101137	01, 10, 2025
<input checked="" type="checkbox"/>	PULSE LIMITER	ESH3-Z2	R & S	101915	11, 08, 2024
<input checked="" type="checkbox"/>	8-WIRE ISN CAT3,5	ENY81	R & S	100174	11, 09, 2024
<input type="checkbox"/>	8-WIRE ISN CAT6	ENY81-CAT6	R & S	101666	03, 06, 2025
<input type="checkbox"/>	ISN	ISN S8	SCHWARZBECK	ISN-S8-0019	03, 05, 2025

**Test Conditions**

Temperature: (24,2 ± 0,1) °C

Relative Humidity: (50,2 ± 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.



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

**Test Date**

Jul. 28, 2024

**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	02, 13, 2025
<input checked="" type="checkbox"/>	AMPLIFIER	SCU 01	R & S	100603	11, 08, 2024
<input checked="" type="checkbox"/>	TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	715	11, 17, 2024
<input checked="" type="checkbox"/>	ATTENUATOR	8491A	HP	32173	02, 13, 2025

**Test Conditions**

Temperature: (23,9 ± 0,1) °C

Relative Humidity: (46,0 ± 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.



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

**Test Date**

Jul. 27, 2024

**Test Location**

SEMI ANECHOIC CHAMBER #3

**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	ESR7	R & S	101190	07, 31, 2024
<input checked="" type="checkbox"/>	PREAMPLIFIER	8449B	AGILENT	3008A01967	03, 05, 2025
<input checked="" type="checkbox"/>	ATTENUATOR	8491A	HP	35496	02, 13, 2025
<input checked="" type="checkbox"/>	DOUBLE RIDGED HORN ANTENNA	SAS-571	A.H.SYSTEM,INC	781	03, 05, 2025

**Test Conditions**

Temperature: (24,2 ± 0,1) °C

Relative Humidity: (46,5 ± 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

HOT LINE

N/A



NEUTRAL LINE

N/A

◆ Calculation

QuasiPeak[dBuV] / CAverage [dBuV] = Reading Value[dBuV] + Corr. [dB]

QuasiPeak / CAverage : The Final Value

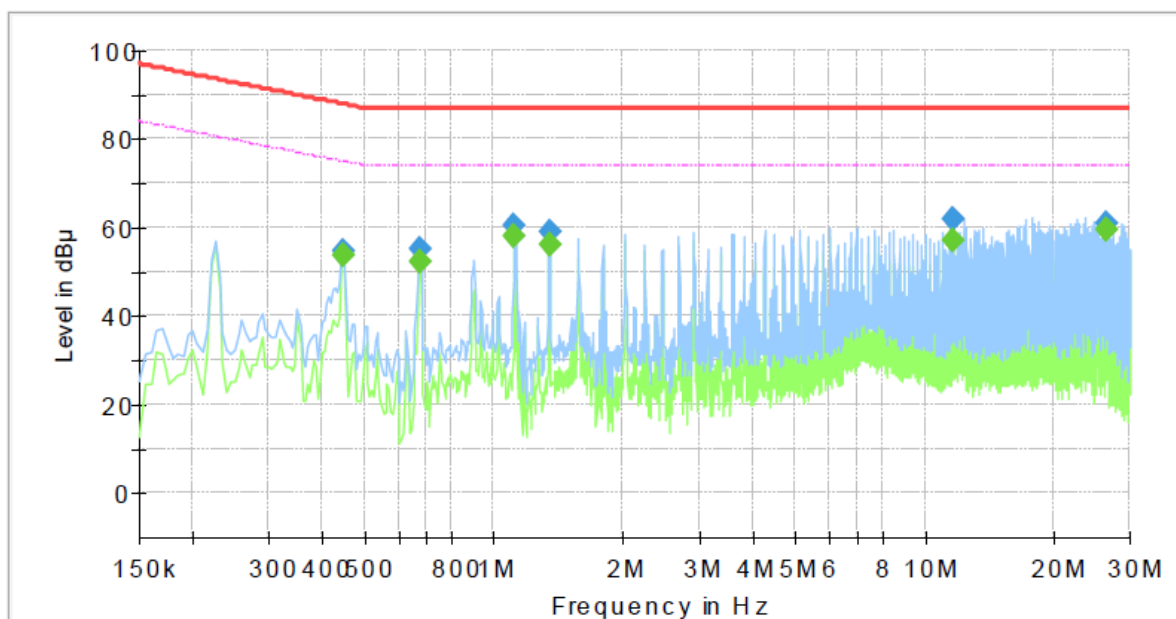
Reading Value : Not shown in the table.

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



**Conducted Emissions at Telecommunication Ports****[100 Mbps]****Common Information**

Test Description: Telecommunication Emission  
Job No.: KES-EM242543  
Mode :  
Speed : 100 Mbps  
Operator Name: KES

**Final Result**

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.450000	---	53.48	74.88	21.40	1000.0	9.000	Single Line	19.6
0.450000	54.52	---	87.88	33.36	1000.0	9.000	Single Line	19.6
0.675000	---	52.29	74.00	21.71	1000.0	9.000	Single Line	19.5
0.675000	55.01	---	87.00	31.99	1000.0	9.000	Single Line	19.5
1.120000	---	57.93	74.00	16.07	1000.0	9.000	Single Line	19.5
1.120000	60.28	---	87.00	26.72	1000.0	9.000	Single Line	19.5
1.345000	---	55.87	74.00	18.13	1000.0	9.000	Single Line	19.5
1.345000	59.02	---	87.00	27.98	1000.0	9.000	Single Line	19.5
11.645000	---	56.89	74.00	17.11	1000.0	9.000	Single Line	19.8
11.645000	61.65	---	87.00	25.35	1000.0	9.000	Single Line	19.8
26.610000	---	59.26	74.00	14.74	1000.0	9.000	Single Line	20.4
26.610000	61.08	---	87.00	25.92	1000.0	9.000	Single Line	20.4

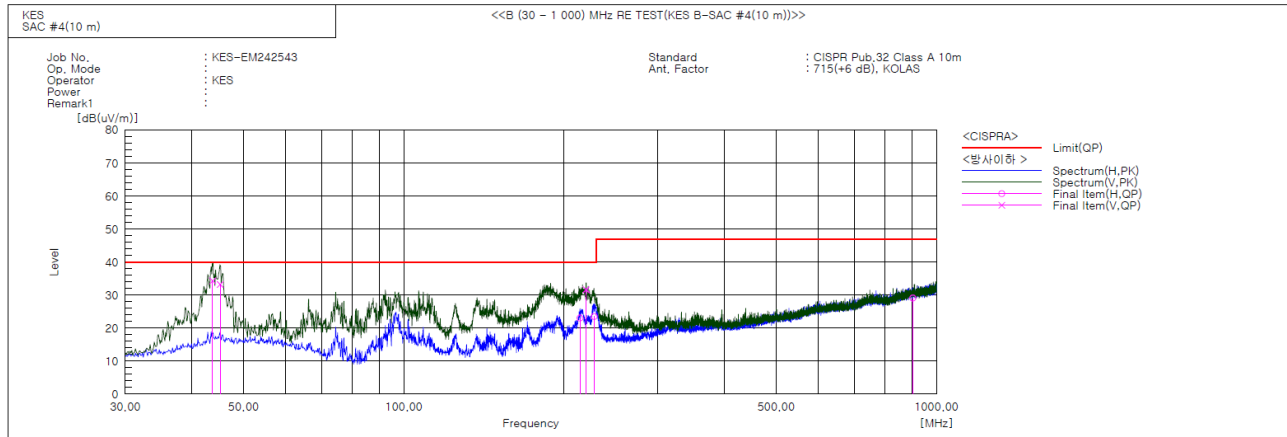
## ◆ Calculation

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

QuasiPeak / CAverage : The Final Value

Reading Value : Not shown in the table.

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

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

No.	Frequency [MHz]	(P)	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	43.741	V	56.1	-21.8	34.3	40.0	5.7	142.0	249.0	
2	45.184	V	54.7	-21.5	33.2	40.0	6.8	152.0	265.0	
3	214.058	H	42.7	-19.7	23.0	40.0	17.0	391.0	78.0	
4	219.878	V	51.1	-19.5	31.6	40.0	8.4	109.0	322.0	
5	227.638	H	42.7	-19.2	23.5	40.0	16.5	327.0	309.0	
6	902.879	H	32.1	-3.0	29.1	47.0	17.9	311.0	158.0	

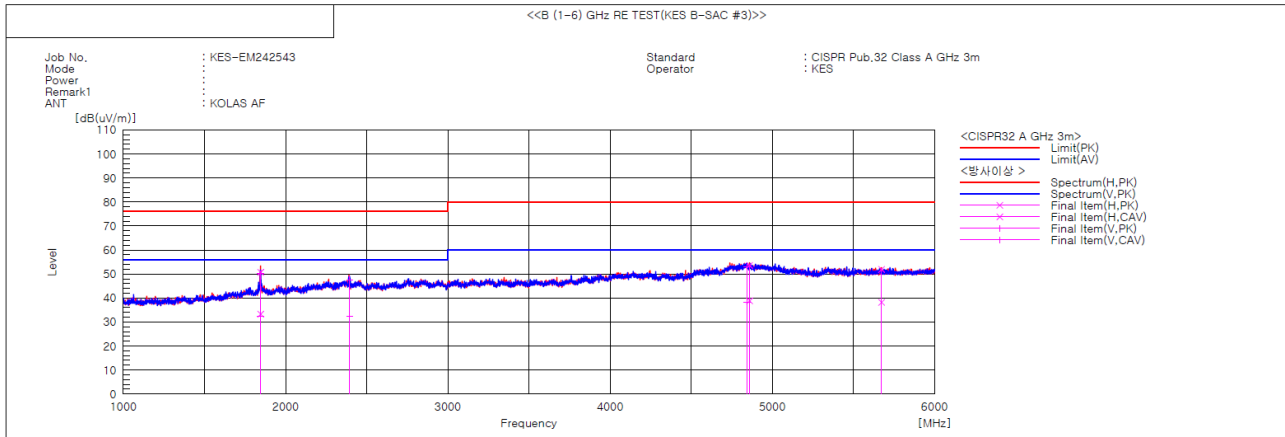
**◆ Calculation**

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)**

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	1845.124	V	47.1	29.4	3.0	50.1	32.4	76.0	56.0	25.9	23.6	100.0	217.5	
2	1846.412	H	47.7	30.3	3.0	50.7	33.3	76.0	56.0	25.3	22.7	100.0	287.8	
3	2395.064	V	41.2	26.1	6.4	47.6	32.5	76.0	56.0	28.4	23.5	100.0	16.2	
4	4845.350	V	36.8	22.1	16.0	52.8	38.1	80.0	60.0	27.2	21.9	100.0	102.7	
5	4860.074	H	37.5	22.7	16.1	53.6	38.8	80.0	60.0	26.4	21.2	100.0	74.5	
6	5673.427	H	37.1	23.3	14.9	52.0	38.2	80.0	60.0	28.0	21.8	100.0	8.2	

**◆ 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**

N/A



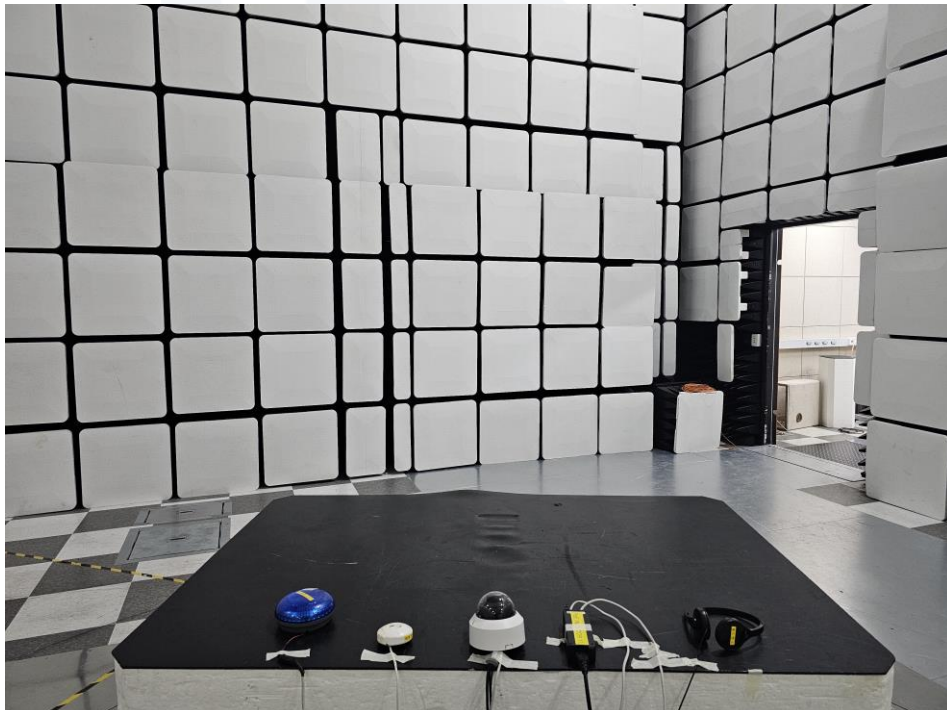
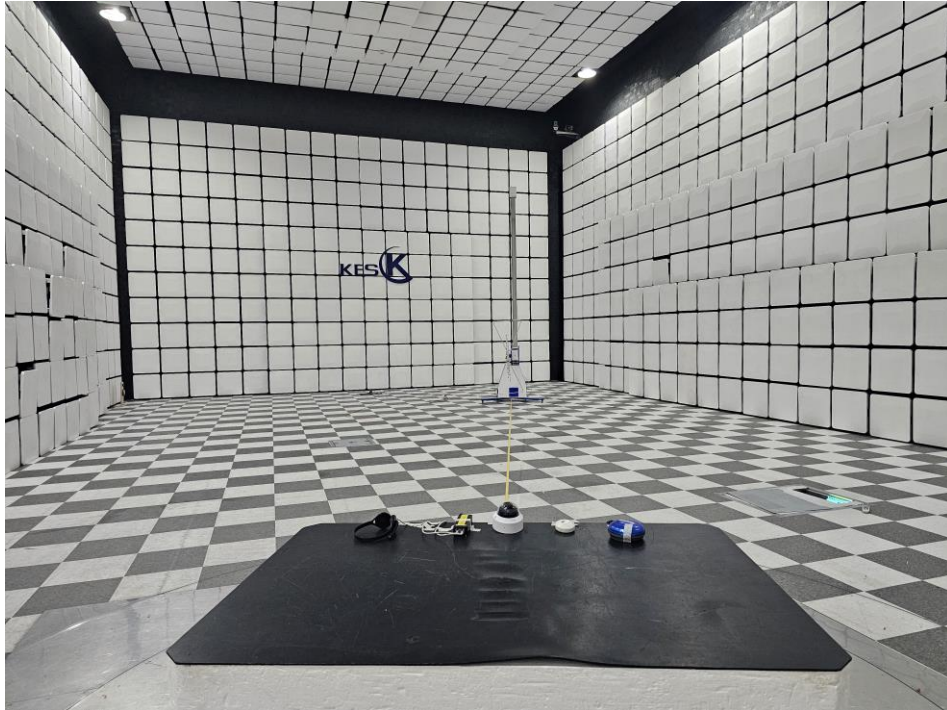
## Conducted Emissions at Telecommunication Ports





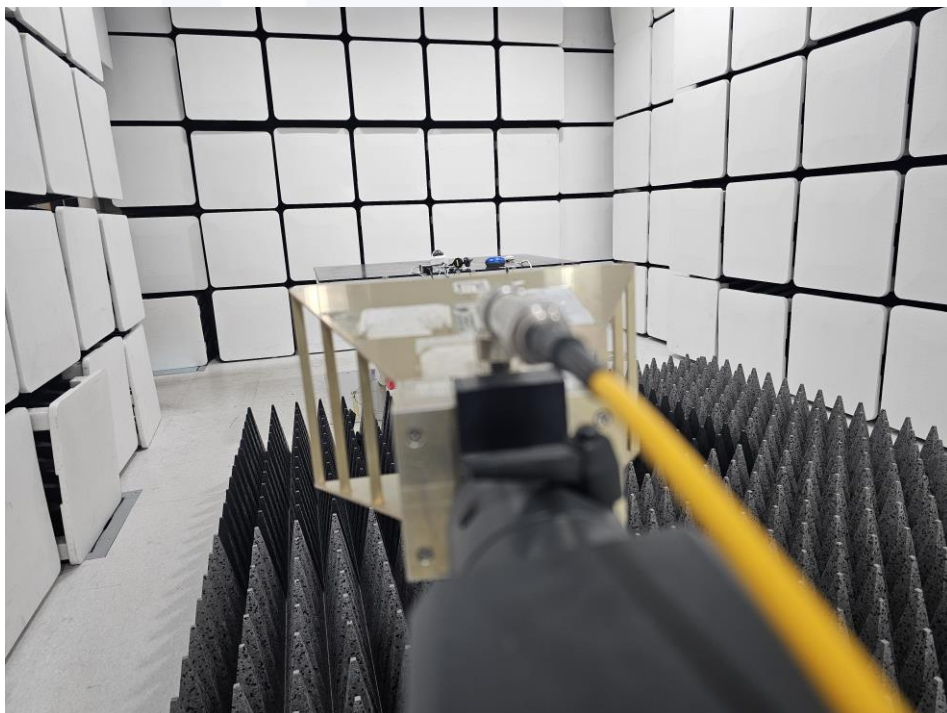
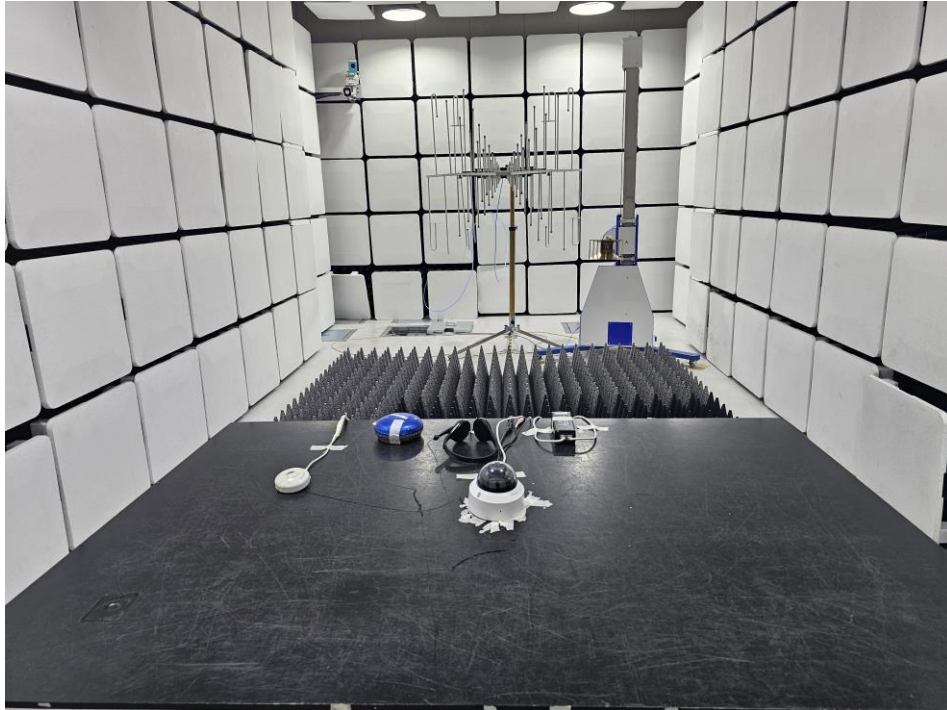


## Radiated Electric Field Emissions(Below 1 GHz)





## Radiated Electric Field Emissions(Above 1 GHz)





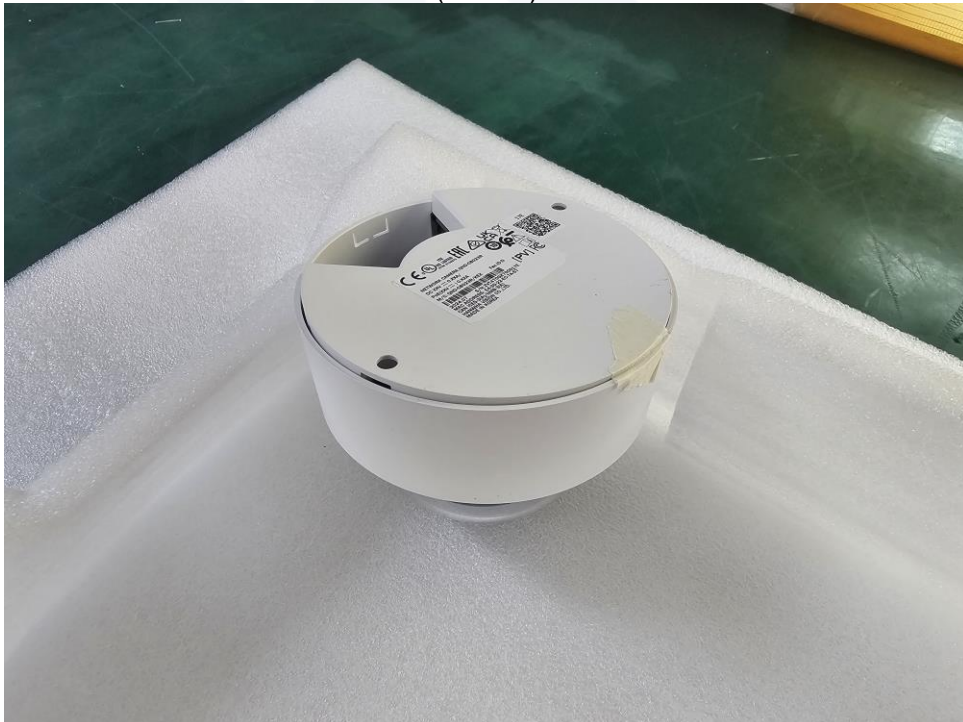


## EUT External Photographs

(Top)



(Bottom)

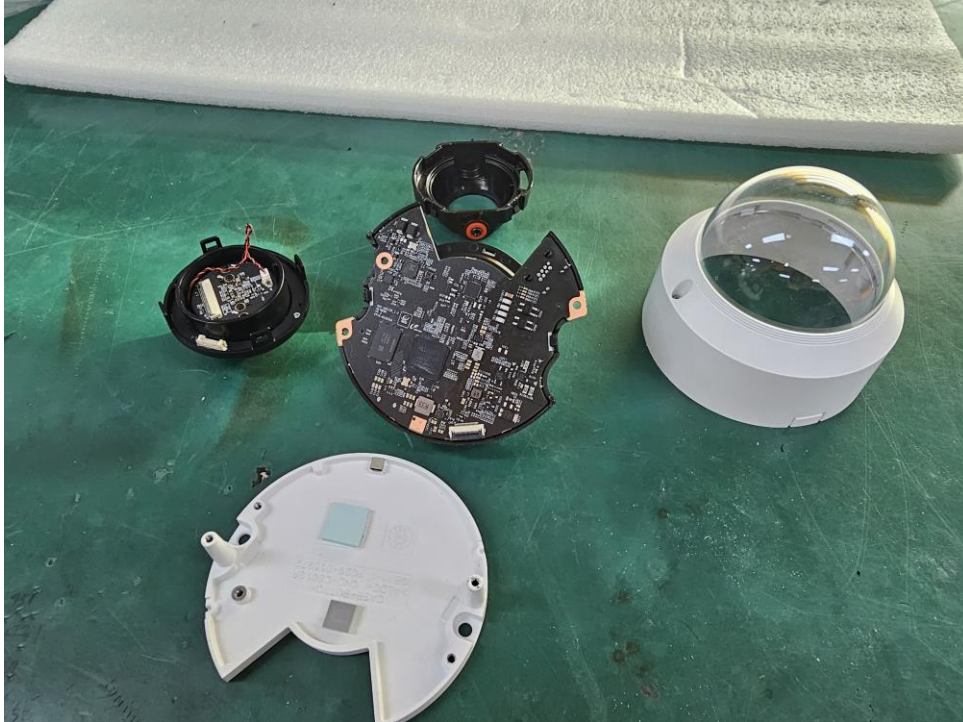






## EUT Internal Photographs

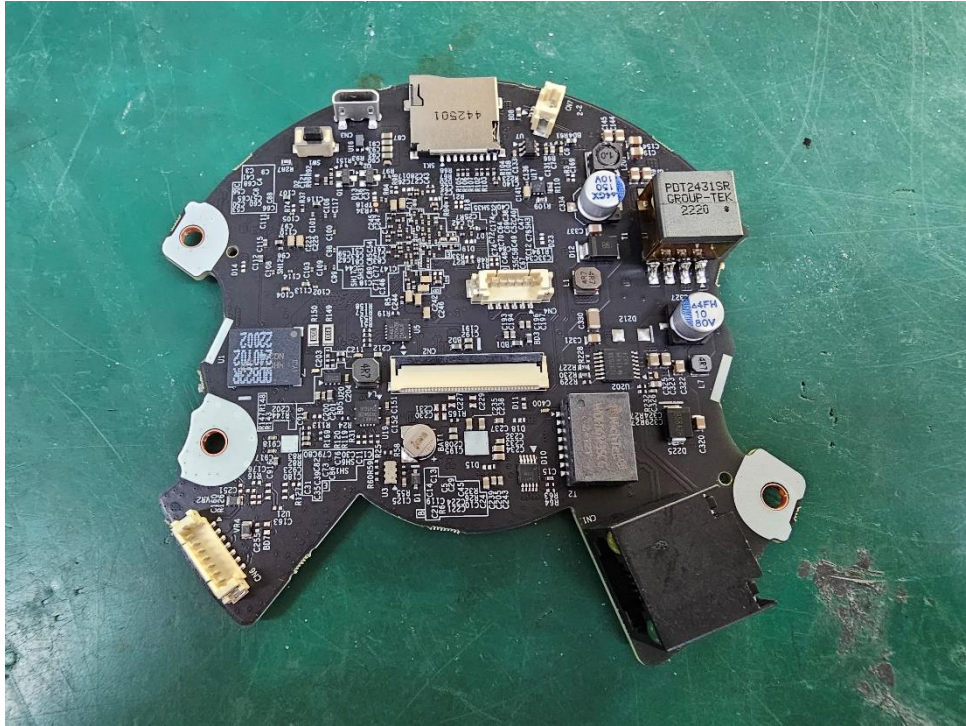
(Internal View)



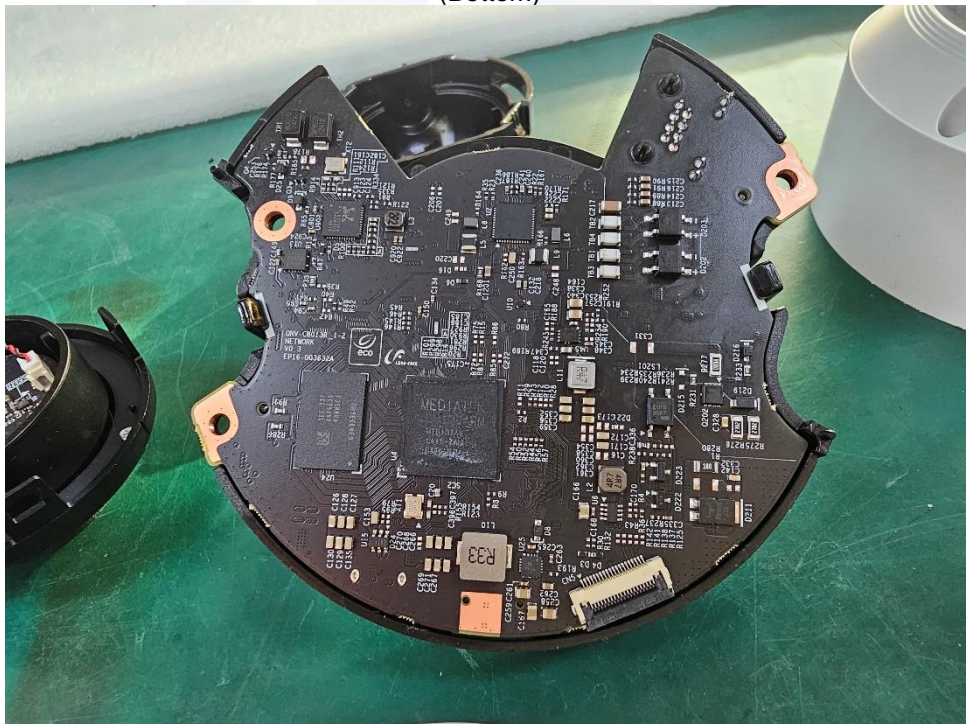


## EUT Internal View – Board 1

(Top)



(Bottom)







## EUT Internal View – Board 2

(Top)



(Bottom)



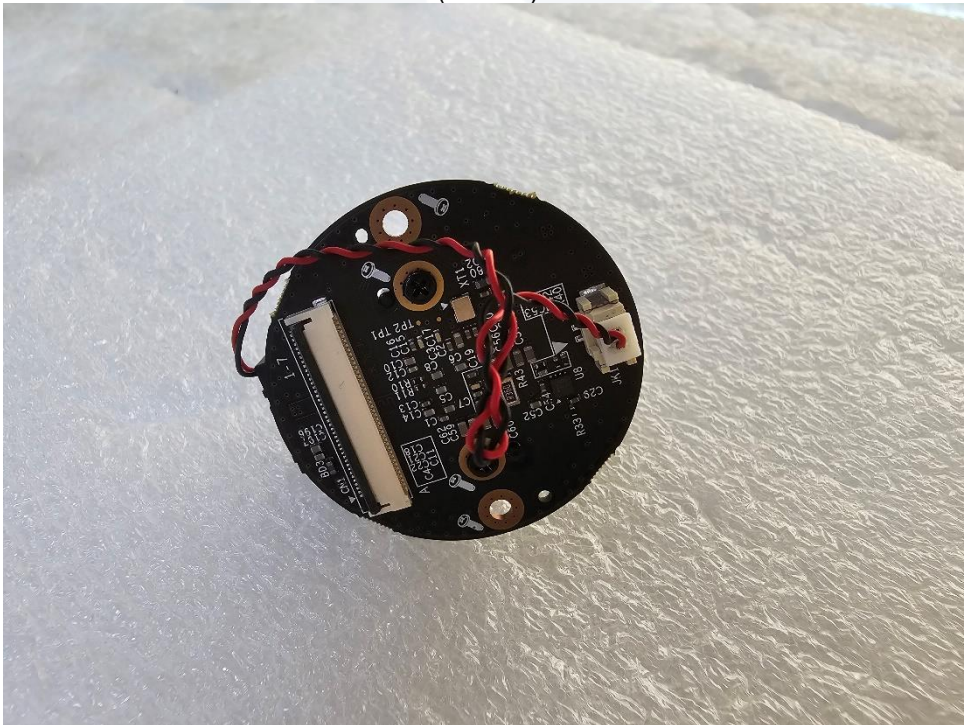


### EUT Internal View – Board 3

(Top)



(Bottom)







## Label Photographs

3



この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI-A