



TEST REPORT



Report No. : EM-234376

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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 : Explosion Proof Camera

Model/Type No. : TNO-C8083E

Variant Model : -

Manufacturer : INDUS VISION Co., Ltd.

Manufacturer Address : No. 203-704 / 388 Songnae-daero, Bucheon-si, Gyeonggi-do 14502,
Republic of Korea

3. Date of Receipt : Dec. 22, 2023

4. Test date : Dec. 28, 2023 ~ Dec. 29, 2023

5. Date of Issue : Jan. 09, 2024

6. Test Results : In Compliance

Tested by

Reviewed by

Jae Won, Lee
EMC Test Engineer

Dae Jung, Choi
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
Jan. 09, 2024	EM-234376	Issued

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1.0 General Product Description

Main Specifications of EUT are:

Video		Motion Detection	8ea, 8point polygonal zones
Imaging Device	1/2.8" CMOS	Privacy Masking	32ea, 4point quadrangle zones
Resolution	2592x1944, 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240	Gain Control	Low / Middle / High
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps@5MP Max. 5fps	White Balance	ATW / AWC / Manual / Indoor / Outdoor
NETD	None	LDC	Support
Pixel Size	None	Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)
Min. Illumination	Color: 0.07Lux(F1.6, 1/30sec, 30IRE) BW: 0.007Lux(F1.6, 1/30sec, 30IRE)	Digital PTZ	Support
Video Out	None	Video Rotation	Flip, Mirror, Halfway view(90°/270°)
Video Transmission Distance	None	Analytics	Classified object type: Person/Vehicle Attributes: VehicleType(car/bus/truck/motorcycle/bicycle) 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
Lens			
Focal Length (Zoom Ratio)	3.2~10.2mm(3.2x) motorized varifocal		
Max. Aperture Ratio	F1.6(Wide)~F3.1(Tele)		
Angular Field of View	H: 95°(Wide)~29°(Tele) V: 69°(Wide)~21°(Tele) D: 126°(Wide)~36°(Tele)	Business Intelligence	Support
Min. Object Distance	1.2m (3.93ft)	Serial Interface	None
Focus Control	Simple focus	Alarm I/O	None
Lens Type	DC auto iris(IR corrected)	Alarm Triggers	Analytics, Network disconnect
Mount Type	None	Alarm Events	- File upload via FTP and e-mail - Notification via e-mail - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP)
Optional Lens	None	Audio Streaming	None
Pan / Tilt / Rotate		Audio In	None
Pan / Tilt / Rotate Range	None	Audio Out	None
Pan Range	None	IR Viewable Length	None
Pan Speed	None	IR Illuminator (Optional)	None
Tilt Range	None	IR Radiation angle	None
Tilt Speed	None	IR LED	None
Rotate Range	None	IR Wavelength	None
Sequence	None	IR Operation	None
Preset Accuracy	None	Water Removal	None
Operational		Auto Tracking	None
Camera Title	Displayed up to 85 characters	Coaxial Protocol	None
Direction Indicator	None	Color Palettes	None
Day & Night	Auto(ICR)	Radiometry	
Backlight Compensation	BLC, WDR, SDR	Temperature Detect Range	None
Wide Dynamic Range	120dB	Temperature Accuracy	None
Digital Noise Reduction	SSNR V, WiseNR II (Based on AI engine)	Temperature Detection	None
Digital Image Stabilization	None	Secure Storage	None
Defog	None	Security Certificate	Secure by default
Additional	None	General	
Network		Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Ethernet	RJ-45 (10/100BASE-T)	Web Viewer	None
Video Compression	H.265/H.264: Main/High, MJPEG	Edge Storage	None
Audio Compression	None	Memory	2GB RAM, 1GB Flash
Smart Codec	Manual(Sea area), WiseStream III (Based on AI engine)	Environmental & Electrical	
Video Quality Adjustment	H.264/H.265: Target bitrate level control MJPEG: Quality Level control	Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / 0~95% RH(non-condensing) * Start up should be done at above -30°C Humidity control /w Air vent
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR	Storage Temperature / Humidity	-50°C ~ +60°C (-58°F ~ +140°F) / 0~95% RH
Streaming	Unicast(20 users) / Multicast Multiple streaming(Up to 5 profiles)	Certification	IP67, IK10, IECE, ATEX, JPEX, KCs II 2 G Ex db IIC T6 Gb II 2 G Ex td IIIC T80°C Db Ex db IIC T6 Gb Ex td IIC T80°C Db IIC T6 Gb IIIC T80°C Db
Protocol	IPV4, IPV6, TCP/IP, UDP/IP, RTP(UDP), RTPTCP, RTSP, RTP, 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)		
SIP support (VoIP, Peer-to-peer)	None		
Security	OS / Firmware Protect : Secure boot, Signed firmware, Firmware encryption User authentication : Digest Authentication Network authentication : 802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) Secure Communication : HTTPS, WSS(Websocket secure) Access Control : IP address filtering Data Protect : Authentication information encryption, ZIP compression encryption Audit : User Access/System/Event log Device ID : Device Certificate(Hanwha Techwin Root CA, pre-installed) Secure Storage : Secure by default, CyberSecurity assurance program UL CAP (UL 2900-1)		
	ONVIF Profile S/T/M SUNAPI(HTTP API)		
Security		Input Voltage	PoE(IEEE802.3af, Class3)
OS / Firmware Protect	Secure boot, Signed firmware, Firmware encryption	Power Consumption	PoE: Max 12W, typical 5.3W
User authentication	Digest Authentication, Prevent brute-force attack	Mechanical	
Network authentication	802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)	Color / Material	Silver / stainless (SUS316L)
Secure Communication	HTTPS, SRTP, WSS(Websocket secure)	RAL Code	TBD
Access Control	Access control based on IP address	Product Dimensions / Weight	TBD
Data Protect	Authentication information encryption, ZIP compression encryption	Compatible Conduit hole / Gang	TBD
Audit	User Access/System/Event log management	Hanging Mount (Dome)	TBD
Device ID	Device Certificate(Hanwha Private Root CA)	Skin Cover	TBD
		Skin Cover (Dome)	TBD
		Weather Cap (Dome)	TBD
		Power Module	TBD
		Backbox	TBD
		Certifications & Standards	
		Network	None
		EMC	TBD
		Safety	TBD
		Environment	TBD



Video	None
DORI (EN62676-4 standard)	
Detect (25PPM/ 8PPF)	Wide: 42.7m(140.20ft) / Tele: 186.9m(613.28ft)
Observe (63PPM/ 19PPF)	Wide: 17.2m(56.08ft) / Tele: 75.4m(245.31ft)
Recognize (125PPM/ 38PPF)	Wide: 8.5m(28.04ft) / Tele: 37.4m(122.66ft)
Identify (250PPM/ 76PPF)	Wide: 4.3m(14.02ft) / Tele: 18.7m(61.33ft)
LPR/ANPR/MMCR	
Speed Description	None
Speed limit	None
Min. Forward Distance	None
Max. Forward Distance	None
Max. Horizontal Angle	None
Max. Vertical Angle	None
Horizontal Offset	None
Camera Height	None
Lane Coverage	None
Vehicle Recognition	None
Available Countries	None
Wisenet Road AI LPR/ANPR/MMCR	
Solution	None
Speed Description	None
Lane Coverage	None
Speed limit	None
Min. Forward Distance	None
Max. Forward Distance	None
Max. Horizontal Angle	None
Max. Vertical Angle	None
Horizontal Offset	None
Camera Height	None
Vehicle Recognition	None
Available Countries	None



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.

☒ PoE

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
Explosion Proof Camera	TNO-C8083E	-	INDUS VISION Co., Ltd.	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.	-
PoE Injector	PT-PSE109GBRO-AH	-	Dongguan PROCET Network Technology Co.,Ltd	-
Micro SD Card	-	-	Sandisk	-

1.6 External I/O Cabling

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
Explosion Proof Camera (EUT)	Micro SD Slot	Micro SD Card	Micro SD Slot	-	-
	RJ-45(PoE)	PoE Injector	RJ-45(PoE)	3.5	U
PoE Injector	RJ-45(LAN)	Laptop	RJ-45(LAN)	2.0	U
Laptop	DC Jack	Laptop Adapter	DC Jack	1.6	U

* Unshielded=U, Shielded=S

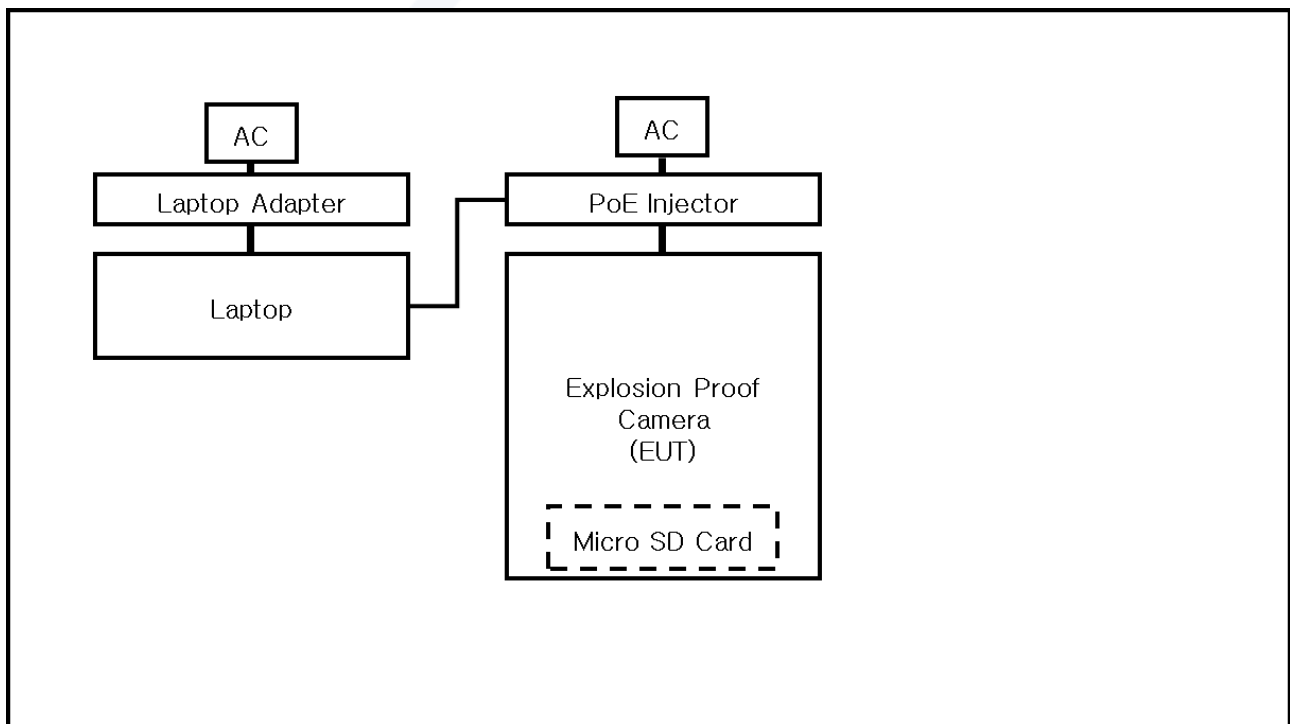


1.7 EUT Operating Mode(s)

Test mode	operating
Operating	1. Monitoring EUT Using Web Viewer, Ping Test 2. After testing, checked the files stored on Micro SD card.

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

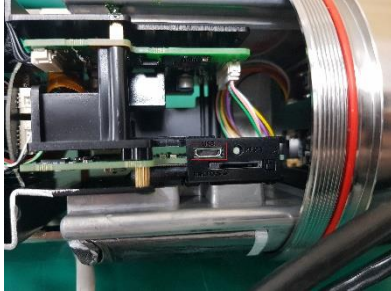
1.8 Configuration





1.9 Remarks when standards applied

- The Micro USB port was excluded from the test because it was 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.
- Administrator port photo



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, 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:

☒ 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
☐	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

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

It receives PoE power, and the PoE port is considered a wired network port.
Test items related to the power port are not applicable.



2.2 Conducted Emissions at Telecommunication Ports

Test Date

Dec. 29, 2023

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
☒	8-WIRE ISN CAT3,5	ENY81	R & S	100174	11, 09, 2024
☐	8-WIRE ISN CAT6	ENY81-CAT6	R & S	101665	11, 09, 2024

Test Conditions

Temperature: (21,7 ± 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

RemarksSee Appendix A for test data.



2.3 Radiated Electric Field Emissions(Below 1 GHz)

Test Date

Dec. 29, 2023

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	03, 21, 2024
☒	AMPLIFIER	SCU 01	R & S	100603	11, 08, 2024
☒	TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	715	11, 17, 2024
☒	ATTENUATOR	8491A	HP	32173	03, 03, 2024

Test Conditions

Temperature: (22,0 ± 0,1) °C

Relative Humidity: (46,8 ± 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

RemarksSee Appendix A for test data.



2.4 Radiated Electric Field Emissions(Above 1 GHz)

Test Date

Dec. 28, 2023

Test Location

SEMI ANECHOIC CHAMBER #3

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	ESR7	R & S	101190	07, 31, 2024
☒	PREAMPLIFIER	8449B	AGILENT	3008A01967	03, 06, 2024
☒	ATTENUATOR	8491A	HP	35496	03, 03, 2024
☒	DOUBLE RIDGED HORN ANTENNA	SAS-571	A.H.SYSTEM,INC	781	03, 06, 2024

Test Conditions

Temperature: (21,2 ± 0,1) °C

Relative Humidity: (46,7 ± 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

RemarksSee 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.

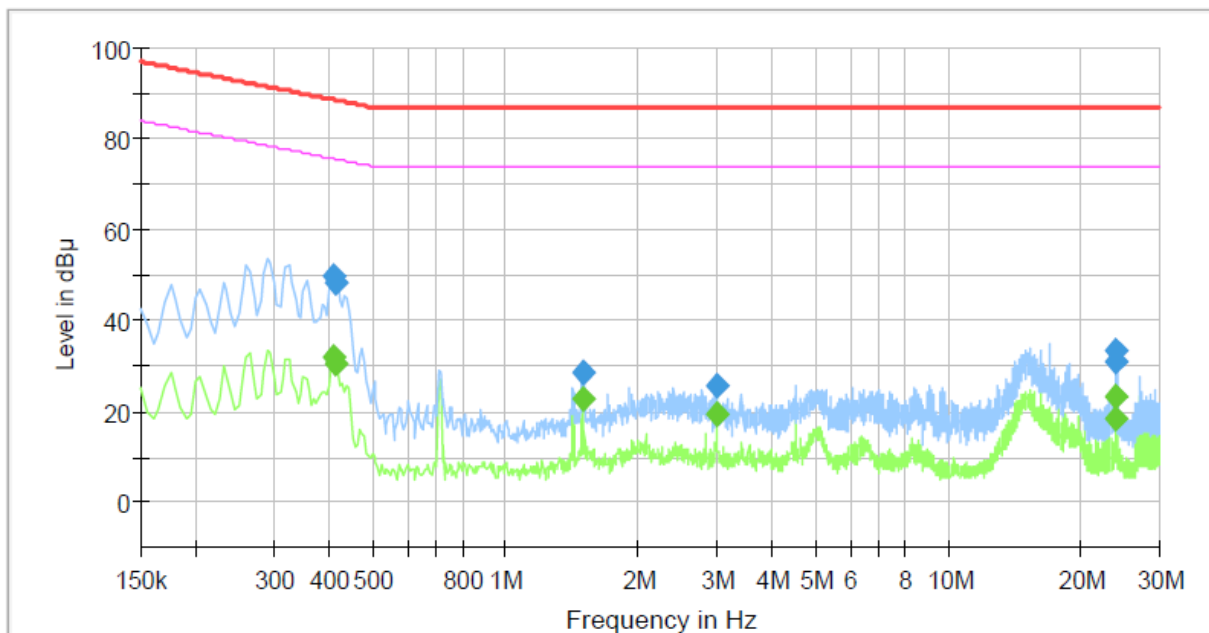
Corr. : Correction values (LISN FACTOR + (Cable Loss + Pulse Limiter FACTOR))

**Conducted Emissions at Telecommunication Ports**

[100 Mbps]

Common Information

Test Description: Telecommunication Emission
Model No.: TNO-C8083E
Mode : PoE_TEL 100 Mbps
Speed :
Operator Name: KES

**Final Result**

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.410000	---	31.81	75.65	43.84	1000.0	9.000	Single Line	19.4
0.410000	49.69	---	88.65	38.96	1000.0	9.000	Single Line	19.4
0.415000	---	30.74	75.55	44.81	1000.0	9.000	Single Line	19.4
0.415000	48.27	---	88.55	40.28	1000.0	9.000	Single Line	19.4
1.495000	---	22.71	74.00	51.29	1000.0	9.000	Single Line	19.3
1.495000	28.56	---	87.00	58.44	1000.0	9.000	Single Line	19.3
3.000000	---	19.25	74.00	54.75	1000.0	9.000	Single Line	19.3
3.000000	25.49	---	87.00	61.51	1000.0	9.000	Single Line	19.3
23.965000	---	18.49	74.00	55.51	1000.0	9.000	Single Line	20.1
23.965000	30.93	---	87.00	56.07	1000.0	9.000	Single Line	20.1
23.970000	---	23.53	74.00	50.47	1000.0	9.000	Single Line	20.1
23.970000	33.22	---	87.00	53.78	1000.0	9.000	Single Line	20.1

◆ Calculation

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

QuasiPeak / CAverage : The Final Value

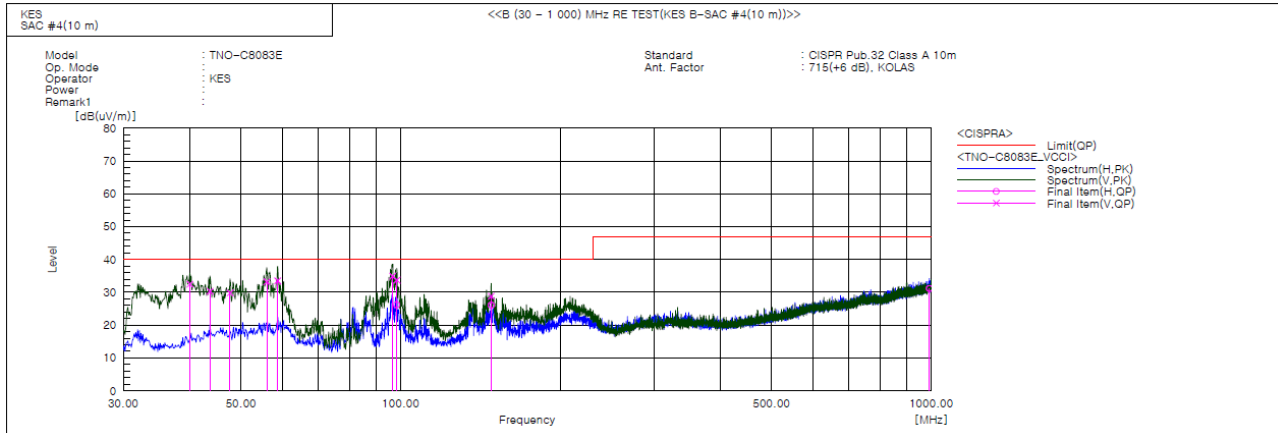
Reading Value : Not shown in the table.

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

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).

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

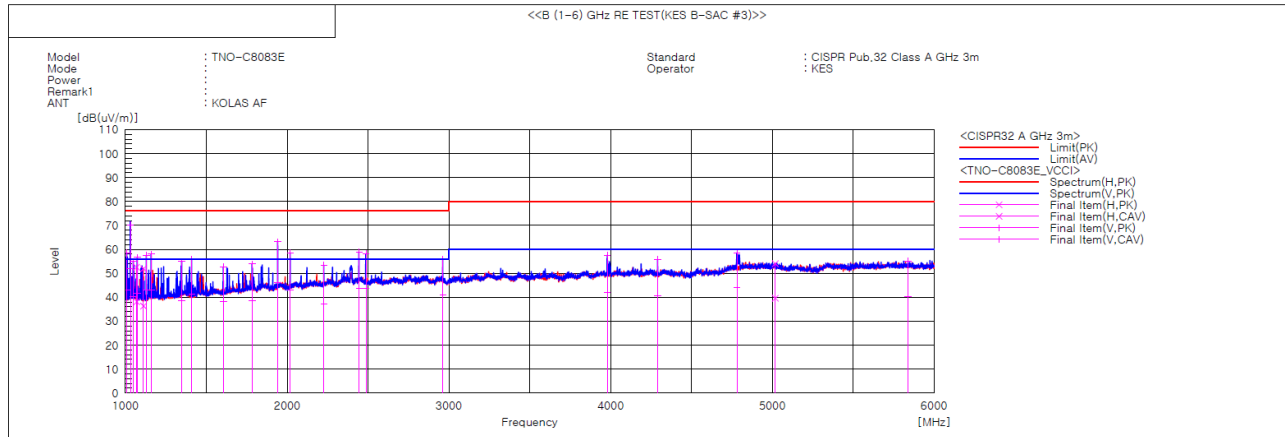
No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	40.064	V	55.3	-22.8	32.5	40.0	7.5	141.0	13.0	
2	43.701	V	52.0	-21.7	30.3	40.0	9.7	112.0	96.0	
3	47.703	V	50.9	-21.1	29.8	40.0	10.2	141.0	58.0	
4	55.948	V	54.6	-21.4	33.2	40.0	6.8	115.0	288.0	
5	58.615	V	55.3	-21.8	33.5	40.0	6.5	100.0	314.0	
6	96.566	V	57.5	-22.6	34.9	40.0	5.1	147.0	211.0	
7	98.312	H	48.6	-22.4	26.2	40.0	13.8	395.0	20.0	
8	98.385	V	56.1	-22.4	33.7	40.0	6.3	112.0	166.0	
9	148.098	V	53.9	-25.1	28.8	40.0	11.2	116.0	99.0	
10	148.116	H	51.2	-25.1	26.1	40.0	13.9	194.0	195.0	
11	991.998	H	33.0	-1.8	31.2	47.0	15.8	199.0	214.0	

◆ Calculation

Corrected Amplitude [dBuV] = Amplitude[dBuV] + Correction Factor [dB]

Corrected Amplitude : The Final Value, Amplitude : Reading Value,

Correction Factor : ANT FACTOR + Cable loss

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

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	1008.027	V	61.8	46.5	-3.3	58.5	43.2	76.0	56.0	17.5	12.8	100.0	44.6	
2	1030.978	V	73.4	55.1	-3.2	70.2	51.9	76.0	56.0	5.8	4.1	100.0	112.9	
3	1048.758	V	58.1	43.6	-3.2	54.9	40.4	76.0	56.0	21.1	15.6	100.0	159.4	
4	1069.173	H	55.7	41.2	-3.1	52.6	38.1	76.0	56.0	23.4	17.9	100.0	5.2	
5	1072.714	V	59.6	44.7	-3.0	56.6	41.7	76.0	56.0	19.4	14.3	100.0	175.4	
6	1111.725	H	54.8	39.1	-2.8	52.0	36.3	76.0	56.0	24.0	19.7	100.0	22.3	
7	1129.027	V	60.2	45.8	-2.7	57.5	43.1	76.0	56.0	18.5	12.9	100.0	338.2	
8	1159.724	V	60.5	45.7	-2.5	58.0	43.2	76.0	56.0	18.0	12.8	100.0	157.2	
9	1347.028	V	55.8	39.4	-0.9	54.9	38.5	76.0	56.0	21.1	17.5	100.0	172.5	
10	1409.857	V	56.1	41.9	-0.4	55.7	41.5	76.0	56.0	20.3	14.5	100.0	191.4	
11	1605.968	V	52.0	37.4	0.7	52.7	38.1	76.0	56.0	23.3	17.9	100.0	67.9	
12	1783.163	V	51.3	35.8	2.6	53.9	38.4	76.0	56.0	22.1	17.6	100.0	237.9	
13	1941.713	V	59.4	42.3	3.8	63.2	46.1	76.0	56.0	12.8	9.9	100.0	237.9	
14	2018.846	V	54.3	38.8	4.3	58.6	43.1	76.0	56.0	17.4	12.9	100.0	162.3	
15	2227.824	V	48.2	31.9	5.2	53.4	37.1	76.0	56.0	22.6	18.9	100.0	314.2	
16	2444.575	V	52.5	37.2	6.4	58.9	43.6	76.0	56.0	17.1	12.4	100.0	8.8	
17	2486.852	V	51.7	37.5	6.4	58.1	43.9	76.0	56.0	17.9	12.1	100.0	175.4	
18	2962.968	V	48.4	33.6	7.4	55.8	41.0	76.0	56.0	20.2	15.0	100.0	248.8	
19	3979.832	V	46.6	31.2	10.9	57.5	42.1	80.0	60.0	22.5	17.9	100.0	191.4	
20	4291.084	V	43.5	28.3	12.2	55.7	40.5	80.0	60.0	24.3	19.5	100.0	159.4	
21	4781.112	V	44.4	30.0	14.2	58.6	44.2	80.0	60.0	21.4	15.8	100.0	21.4	
22	5018.824	H	38.8	24.3	15.3	54.1	39.6	80.0	60.0	25.9	20.4	100.0	89.8	
23	5839.136	V	39.0	24.3	16.1	55.1	40.4	80.0	60.0	24.9	19.6	100.0	23.5	

◆ Calculation

$$\text{Result(PK/CAV)} [\text{dB}(\mu\text{V/m})] = (\text{Reading(PK/CAV)} [\text{dB}(\mu\text{V})] + \text{c.f} [\text{dB}(1/\text{m})])$$
$$\text{Margin(PK/CAV)} [\text{dB}] = \text{Limit} [\text{dB}(\mu\text{V/m})] - \text{Result(PK/CAV)} [\text{dB}(\mu\text{V/m})]$$

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



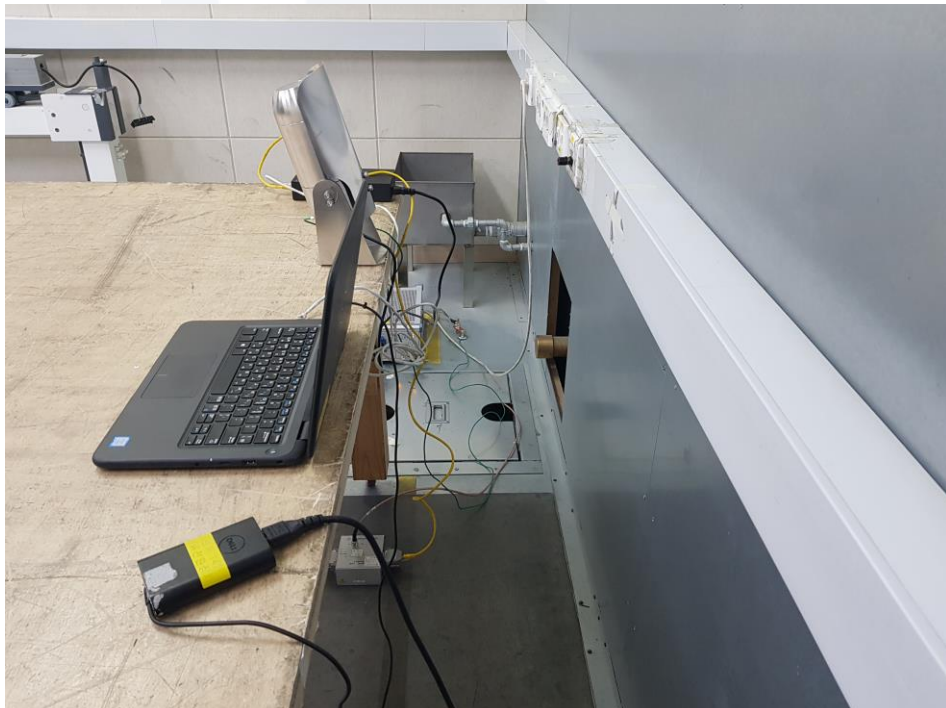
Test Setup Photos and Configuration

Conducted Emissions at Mains Power Ports

N/A



Conducted Emissions at Telecommunication Ports



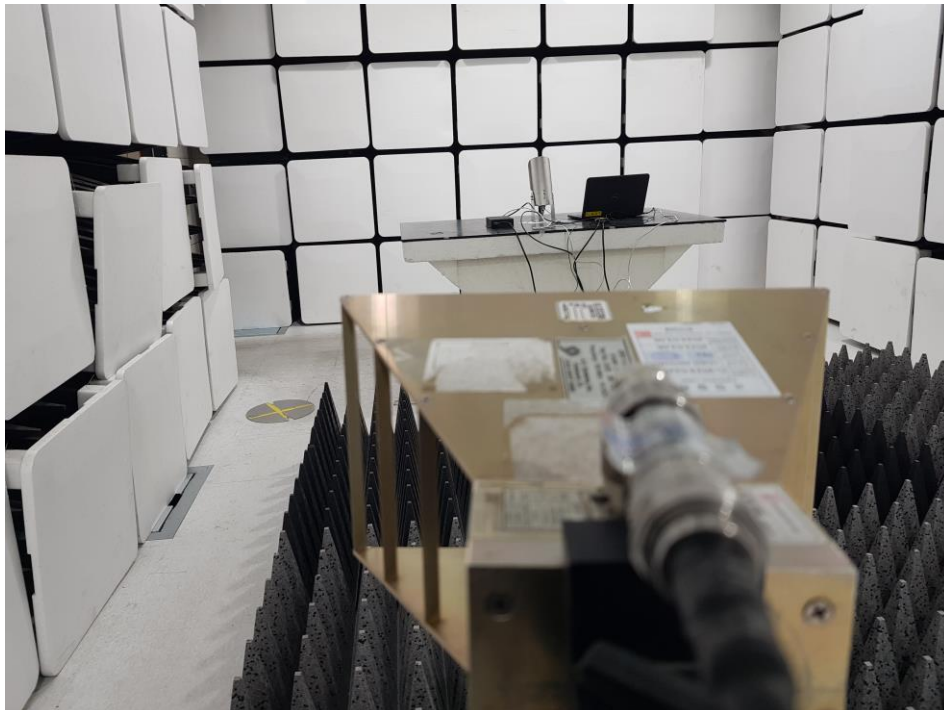
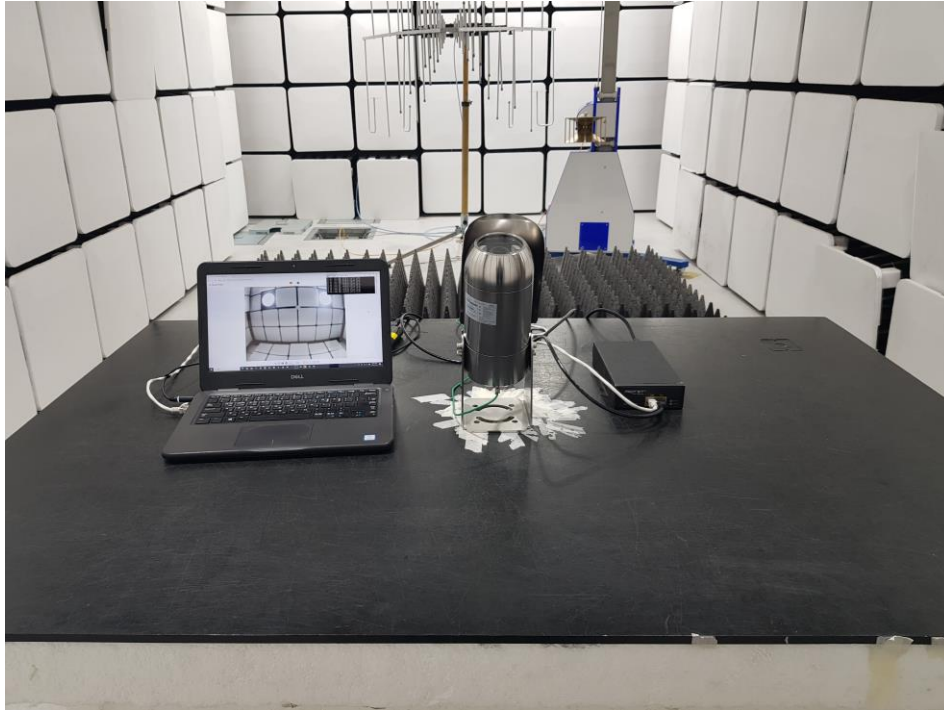


Radiated Electric Field Emissions(Below 1 GHz)





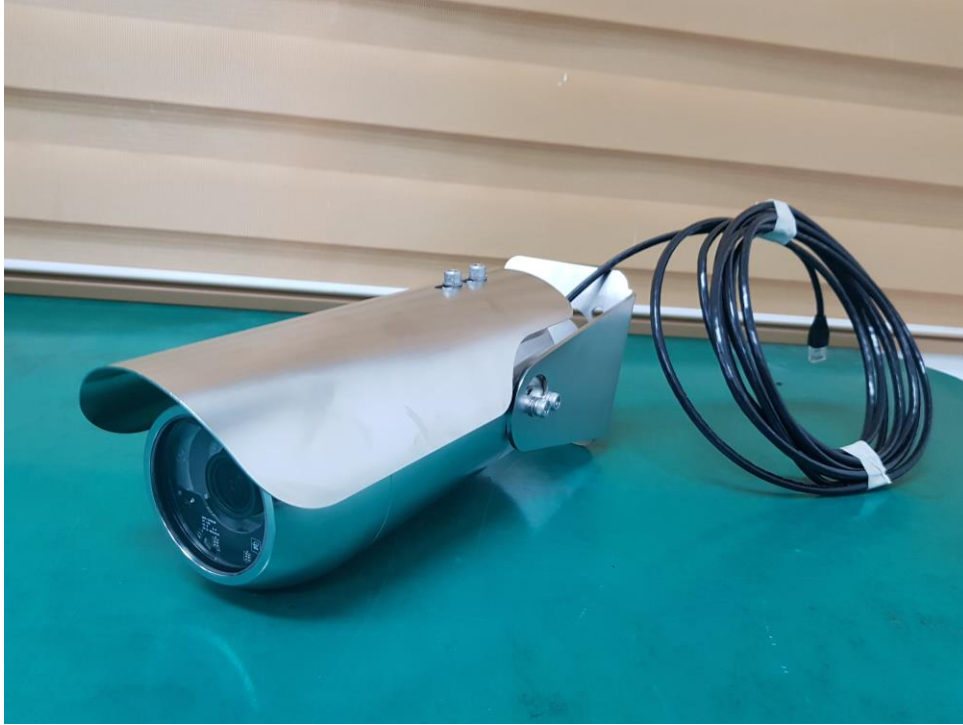
Radiated Electric Field Emissions(Above 1 GHz)





EUT External Photographs

(Top)



(Bottom)





EUT Internal Photographs

(Internal View)



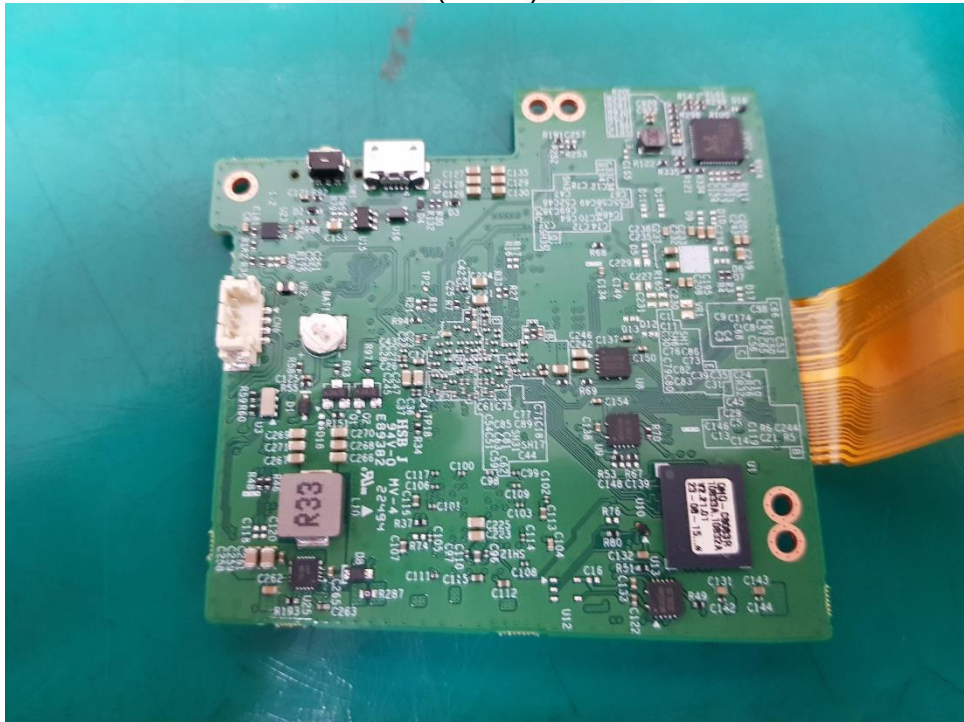


EUT Internal View – Main Board

(Top)



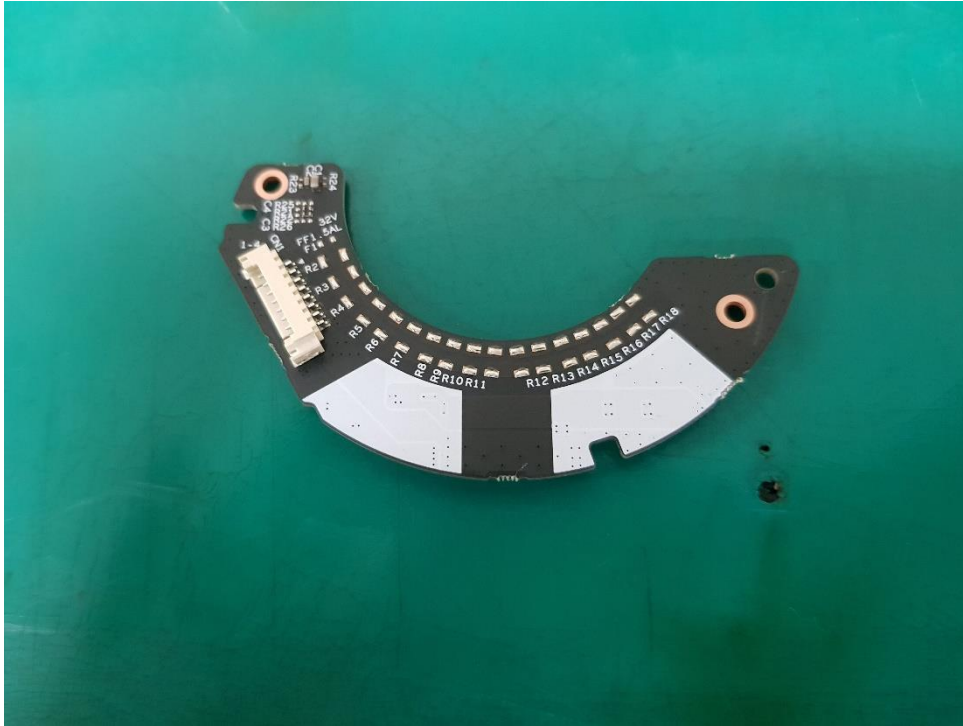
(Bottom)



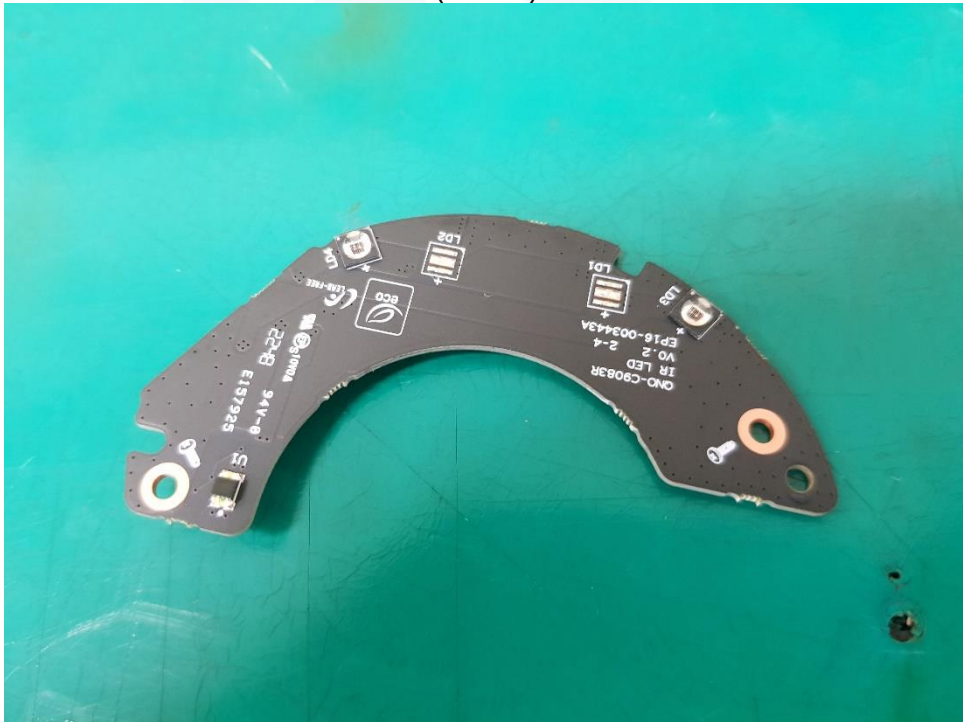


EUT Internal View – Sub Board 1

(Top)



(Bottom)



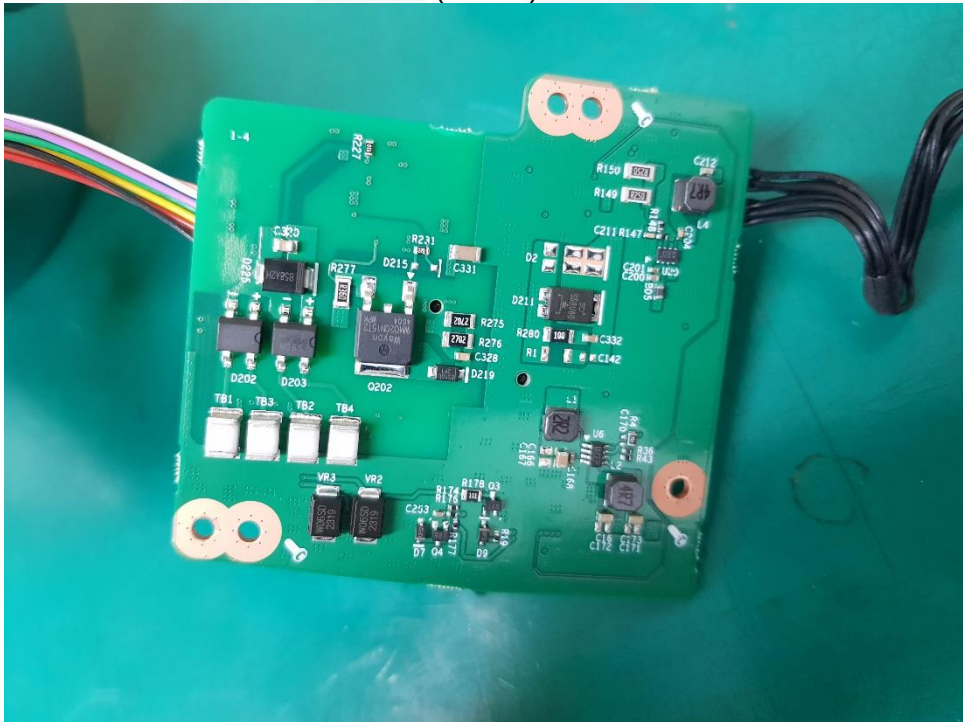


EUT Internal View – Sub Board 2

(Top)



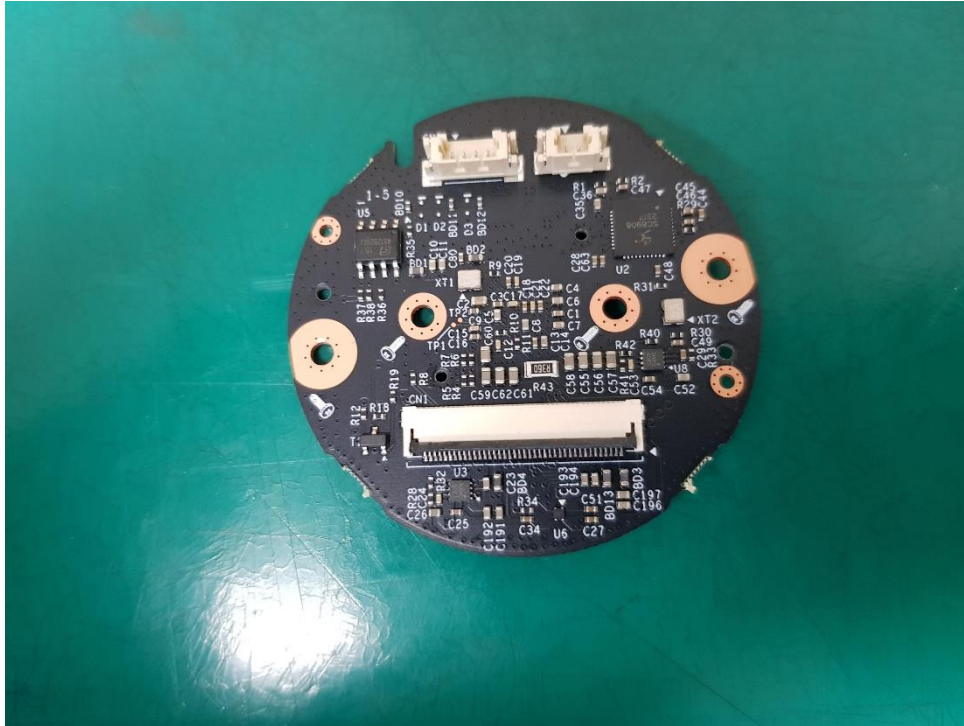
(Bottom)





EUT Internal View – Camera Board

(Top)



(Bottom)



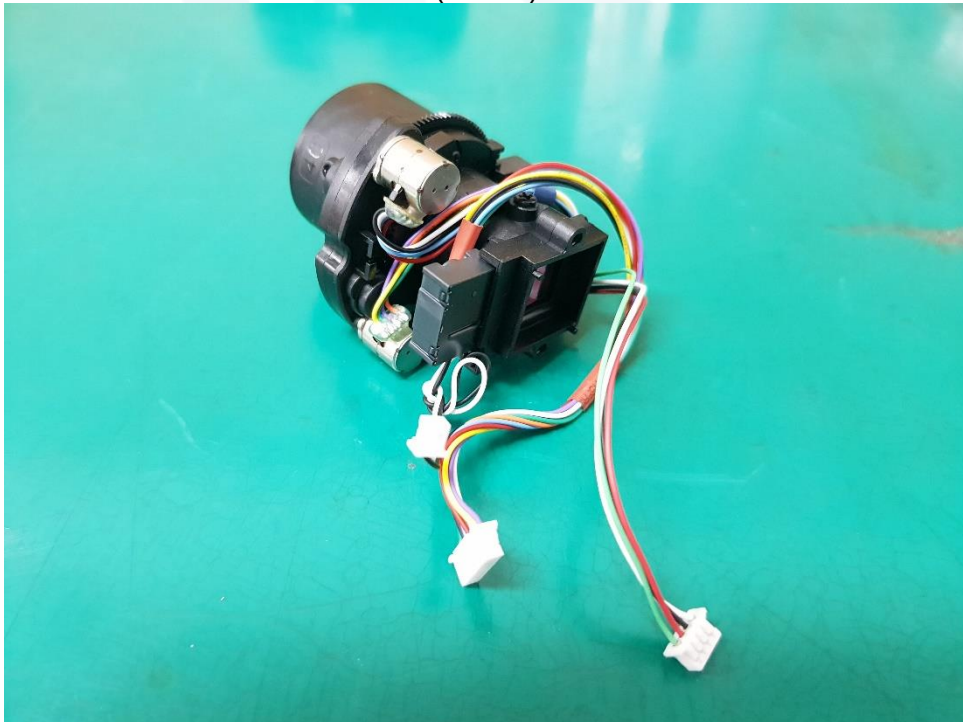


EUT Internal View – Camera Lens

(Top)



(Bottom)





Label Photographs



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