TEST REPORT

KES Co., Ltd.
#3002, #3503, #3701, 40, Simin-daero365beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14057, Republic of Korea
Tel : +82-31-425-6200, Fax : +82-31-341-3838

1. Client

○ Name	:	Hanwha Vision Co., Ltd.
○ Address	:	6, Pangyo-ro 319beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

2. Sample Description

◯ Product item	:	NETWORK CAMERA
◯ Model name	:	XNO-A8014R
◯ Variant model	:	-
◯ Manufacturer etc.	:	HANWHA VISION VIETNAM COMPANY LIMITED
◯ Manufacturer address	:	Lot O-2, Que Vo Industrial Zone Extended Area, Nam Son Ward, Bac Ninh Province, Vietnam
◯ Manufacturer etc.	:	D-TECH CO.,LTD.
◯ Manufacturer address	:	173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea (Suwon Industrial Complex)

3. Date of test	:	2026. 03. 16. ~ 2026. 03. 19.
4. Location of Test	:	Permanent Testing Lab
○ Address	:	473-21, Gayeo-ro, Yeoju-si, Gyeonggi-do, 12658, Republic of Korea
5. Test method used	:	FCC 47 CFR Part 15, Subpart B (ANSI C63.4a-2017), IC ICES-003 Issue 7 (ANSI C63.4a-2017)
6. Test result	:	PASS

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
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This laboratory is not accredited for the test results marked *.
This test report is not related to KOLAS accreditation.

Affirmation	Tested by	Technical Manager by
	Name : DaeSoo Kim [김대수]2026/03/30	Name : DongHun Jang [장동훈]2026/03/30

2026. 03. 30.

KES Co., Ltd.

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REPORT REVISION HISTORY

Date	Test Report No.	Revision History
2026. 03. 30.	KES-EM260399	Issued

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Use of uncertainty of measurement for decisions on conformity (decision rule):

■ No decision rule is specified by the standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty(“simple acceptance” decision rule, previously known as “accuracy method”).

□ Other (to be specified, for example when required by the standard or client)

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1 Laboratory Information

1.1 Test Location

Category	Details
Addres	473-21, Gayeo-ro, Yeoju-si, Gyeonggi-do, 12658, Republic of Korea
Telephone Number	031-883-5092
Facsimile Number	031-883-5169

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

1.2 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

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2 Test Summary

2.1 Class and Voltage

Test Class	Test Voltage
Class A	AC 120 V, 60 Hz

2.2 Summary of Test Results

Regulation
47 CFR Part 15, Subpart B, ICES-003 Issue 7

Test Item	Test Standard	Test Result	Remark
Conducted Emissions at Mains Power Ports	ANSI C63.4a-2017	PASS	-
Radiated Emissions(Below 1 ㎓)		PASS	-
Radiated Emissions(Above 1 ㎓)		PASS	-
* N/A: Not Applicable			

2.3 Remarks when standards applied

N/A

2.4 Variant Model Differences

N/A

2.5 Device Modifications

N/A

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3 General Product Description

Video		
Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution		2560x1920, 2560x1440, 1920x1080, 1600x1200, 1280x960, 1280x720, 1024x768, 800x600, 640x480, 640x360, 320x240, 320x180
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	30fps(@5MP Max. 5fps)
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.06
	BW(1/30sec, 30IRE)	0.006
Video Out		USB: USB Type C. Preview and installation ONLY. Requires WiFi dongle.
Lens		
Focal Length (mm)		3.0
Max Aperture Ratio (F number)	Wide	1.6
	Tele	1.6
Angular Field of View	Horizontal	100
	Vertical	74
	Diagonal	130
Min. Object Distance		0.4m(1.31ft)
Focus Control		Manual
Lens Type		Fixed iris
Operational		
Day & Night		Auto(ICR)
Backlight Compensation		BLC, HLC, WDR, SSDR
Wide Dynamic Range (dB)		120
Digital Noise Reduction		WiseNR Ⅱ(Based on AI engine), SSNR Ⅴ
Digital Image Stabilization		Support
Defog		Support
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	8point Polygonal zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic, Purple, Yellow

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	Dynamic Privacy Masking: Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic, Purple, Yellow
Gain Control		Off, Max gain, Manual
White Balance		ATW, NarrowATW, AWC, Manual, Indoor, Outdoor
LDC		Support(Fill/stretch mode)
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker, Prefer shutter control(Based on AI engine)
	Speed Range	2~1/30,000sec
Video Rotation		Flip, Mirror, Hallway view(90°/270°)
Alarm Interface	In/Out	2 configurable I/O ports
	Others	Support extra alarm I/O via optional I/O box
Alarm Triggers		Analytics, Network disconnect, Alarm input, App event, Time schedule, MQTT subscription, Day/Night, Storage disruption
Alarm Events When Alarm Trigger Occurred		File upload(image): e-mail/FTP/SFTP, File upload(video clip): FTP/SFTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers, Alarm output, Handover: PTZ preset, send message by HTTP/HTTPS/TCP, Audio clip playback, MQTT: publication
Audio In		Selectable(mic in/line in)
Audio Out		Line out
Light Type		IR LED
Light Viewable Length	IR	25m(82.02ft)
IR Wavelength		850nm
Analytics		
Classified Object Type		Person, Face, Vehicle, License plate
Attributes	Person	Upper/Lower clothes color, Gender, Bag
	Vehicle	Type(car, bus, truck, motorcycle, bicycle), Color
	Face	Age, Gender, Face mask, Glasses
Thumbnail		BestShot
Analytics Events	Based on AI Engine	Object detection, Virtual line(Crossing/Direction), Motion detection, Face mask detection, Social distancing detection, Slip & fall detection, Virtual area(Loitering/Intrusion/Enter/Exit/Appear/Disappear)
Business Intelligence	Based on AI Engine	People counting, Queue management, Heatmap, Vehicle counting, Crowd counting
Network		
Ethernet		Metal shielded RJ-45(10/100BASE-T)

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Video Compression		H.265/H.264: Main/Baseline/High, MJPEG
Audio Compression		G.711(PCM): 8kHz(64kbps), G.726(ADPCM): 8kHz(16/24/32/40kbps), AAC-LC: 16kHz(48kbps), OPUS: 16kHz(64kbps)
Smart Codec		Manual, WiseStream(Based on AI engine)
Bitrate Control		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 5 profiles, 3 virtual channel support
Protocol		IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SFTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT, PIM-SM, SMTP(StartTLS), Syslog
Application Programming Interface	ONVIF	S, G, T, M
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
Direct Cloud Connection		Support
Security		
OS / Firmware Protect		Encrypted firmware, Secure boot, Signed firmware
User authentication		Digest authentication, Prevent brute-force attack
Network authentication		IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
Secure Communication		HTTPS, WSS(WebSocket Secure), SRTP
Access Control		IP-based access control, MAC-based access control, Auto logout
Data Protect		Encryption credentials, Encrypt compress for live recording file export
Audit		Access / System / Event Log management
Device ID		Device certificate(Hanwha Vision Root CA)
Secure Storage		SDcard partition encrypt(AES-256), Secure element
Supply Chain Security		SBOM
Security Certificate		Secure element(FIPS 140-3 level3, CC EAL6+), Consumer IoT Security Standard (ETSI EN 303 645)
General		
Memory	RAM	4GB
	Flash	8GB eMMC
Edge Storage	Micro SD/SDHC/SDXC	Max. 1TB x 1slot

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Edge Storage(OnCloud)	Micro SD/SDHC/SDXC	Max. 1TB x 1slot *Hanwha Vision branded microSD cards have been certified and recommended for OnCloud edge recording.
Environmental & Electrical		
Operating Condition	Temperature	-40°C~+60°C(-40°F~+140°F)
	Humidity	0~100% RH(condensing)
	Others	+74°C(+165°F)(Max) based on NEMA-TS 2(2.2.7), Start up should be done at above -30°C
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
EPA(Effective Projected Area)		0.023m2
Input Voltage		PoE(IEEE802.3af, Class3)
Power Consumption	PoE	Max. 9.4W, typical 7.3W
WisePower		Power monitoring, Eco mode
Mechanical		
Color		White
Material		Aluminum, Hard-coated dome
Material Management	Declaration	RoHS(EU RoHS directive 2011/65/EU and IEC/EN 63000:2018), REACH(Regulation (EC) No. 1907/2006), Conflict mineral policy(Section 1502 of US Dodd Frank Act)
	Recycle Rate	Recycled plastic %
RAL Code		RAL9003
Product Dimensions		ø93.4x276.6mm(3.68x10.89")
Product Weight		1420g(3.13lb)
Compatible Conduit Hole		None
Compatible Gang Box		None

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4 EUT Setup and Operation Mode

4.1 EUT Configuration

Product Name	Model Number	Serial Number	Manufacturer	Remarks
NETWORK CAMERA	XNO-A8014R	-	HANWHA VISION VIETNAM COMPANY LIMITED	EUT
PoE Injector	PT-PSE109GBRO-AH	PT1933220259	Dongguan PROCET Network Technology Co.,Ltd	-
Micro SD CARD	-	-	Transcend	-
SMART PHONE	OPTIMUS 3D	-	LG	-
LAPTOP	NT500R5W	0Q2C91IJ800014H	SAMSUNG	-
LAPTOP ADAPTOR	A13-040N2A	CN60BA4400313AD ON843K020O	Chicony Power Technbology Co., Ltd.	-
HEADSET	K550	-	Britz®	-
Button Alarm	-	-	-	-
LED Alarm	SIP-1201DD D0	-	SAMSUNG TECHWIN CO., LTD.	-

4.2 System Configuration

Product Name	Model Number	Serial Number	Manufacturer	Remarks
-	-	-	-	-

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4.3 External I/O Cabling

Mode 1

Start		End		Cable Spec.	
Description	**I/O Port**	**Description**	**I/O Port**	**Length**	**Shield**
EUT	RJ-45	PoE Injector	RJ-45 (PoE)	3.1	U
	Alarm In (2 PIN)	Button Alarm	Alarm OUT	3.1	U
	Alarm OUT (2 PIN)	LED Alarm	Alarm IN	4.1	U
	AUDIO OUT (3.5 mm)	Headset	3.5 mm	2.0	U
	AUDIO IN (3.5 mm)		3.5 mm		
	Micro SD SLOT	Micro SD CARD	Micro SD SLOT	-	-
PoE Injector	RJ-45 (LINE)	Laptop	RJ-45	1.0	U
Laptop	DC JACK	Laptop Adaptor	DC JACK	1.0	U
	3.5 mm	Smartphone	3.5 mm	1.0	U

* Unshielded=U, Shielded=S

4.4 EUT Operating Mode(s)

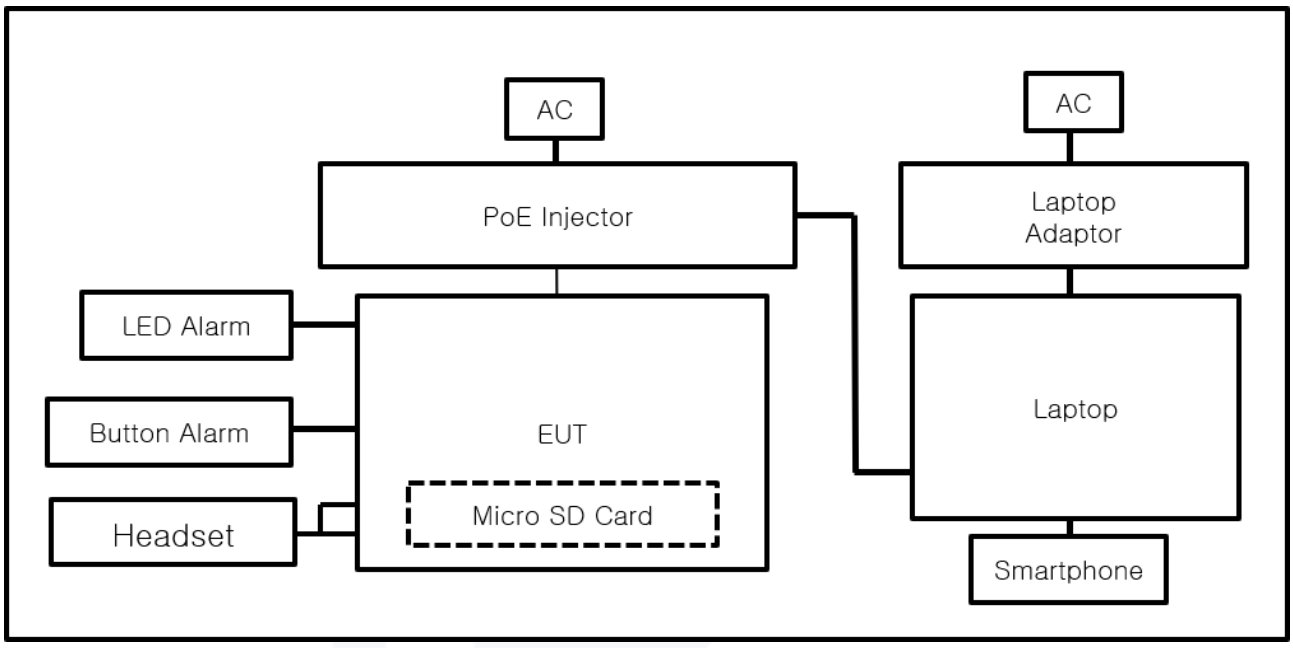
Category	Mode	Operating
Mode 1	Operation	1. By connecting the test equipment and the PoE Injector by wire, the image output of the test equipment is checked by Web Viewer. 2. Check the ping test of the laptop to see if the network of the test equipment is operating normally or not. 3. Run a 1 kHz Tone sound file on your smartphone to check if the sound is output normally to the connected headset. 4. After the test, it was confirmed that the recorded image stored in the Micro SD Card was checked.

4.5 Test operating S/W

Name	Version	Manufacture Company
Web Viewer	-	Hanwha Vision Co., Ltd.

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4.6 Configuration



Mode 1

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5 Measurement Procedure

- Conducted Emissions

The conducted emission levels were measured on each current-carrying line with the spectrum analyzer operating in the CISPR quasi-peak mode (or peak mode if applicable). The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. If the conducted emission exceed the average limit with the instrument set to the quasi-peak mode, the measurements are made in the average mode. The emission spectrum was scanned from 150 ㎑ to 30 ㎒. The highest emission amplitudes relative to the appropriate limits were measured and have been recorded. Quasi-peak readings are distinguished with a "QP".

- Radiated Electric Field Emissions

The test was done at a SEMI ANECHOIC CHAMBER with quasi-peak detector. The final test data was measured using a Quasi-Peak detector below 1 ㎓ at 10 m or 3 m distance and a Peak and Average detector above 1 ㎓ at 3 m distance. Test was proceeded worst case test mode and cable configuration. Measurements were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna height was varied from 1 m to 4 m and the EUT was rotated 360° to find the maximum emitting point for each frequency.

Measurement procedures was In accordance with ANSI C63.4 or CISPR 32.

♦ Calculation

- Conducted Emissions

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

- Radiated Emissions(Below 1 ㎓)

Result(QP) [㏈(㎶/m)] = (Reading(QP)[㏈(㎶)] + c.f[㏈(1/m)]
Margin(QP)[㏈] = Limit[㏈(㎶/m)] - Result(QP) [㏈(㎶/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 Emissions(Above 1 ㎓)

Result(PK/CAV) [㏈(㎶/m)] = (Reading(PK/CAV)[㏈(㎶)] + c.f[㏈(1/m)]
Margin(PK/CAV)[㏈] = Limit[㏈(㎶/m)] - Result(PK/CAV) [㏈(㎶/m)]
Reading(PK/CAV) : Reading value, Result(PK/CAV) : Reading value + Factor value
Limit(PK/CAV) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value

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6 Test Item

6.1 Conducted Emissions at Mains Power Ports

6.1.1 Test Equipment

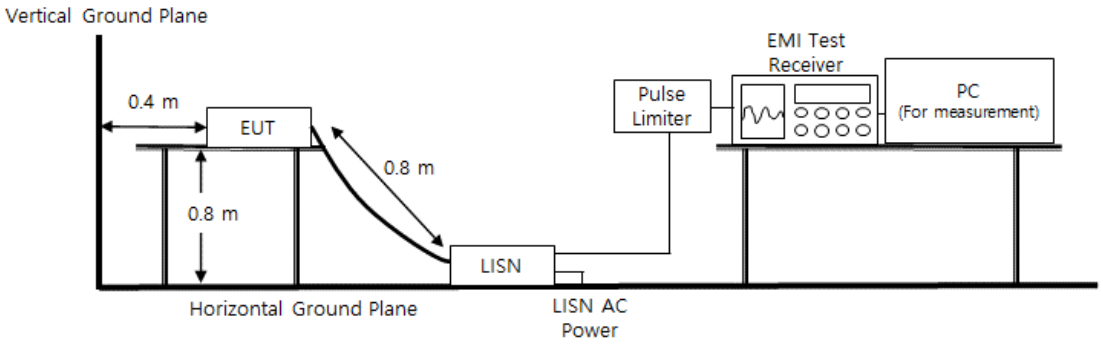
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SHIELD ROOM #6	-	DYMSTEC	-	-	-	■
EMC32 Measurement Software	EMC32	R&S	9.12.00	-	-	■
EMI TEST RECEIVER	ESR3	Rohde & Schwarz	101783	2025-11-03	2026-11-03	■
LISN	ENV216	Rohde & Schwarz	101787	2025-09-04	2026-09-04	■
ARTIFICIAL MAINS NETWORK	ESH2-Z5	Rohde & Schwarz	100450	2025-11-03	2026-11-03	■
PULSE LIMITER	ESH3-Z2	Rohde & Schwarz	101915	2025-11-03	2026-11-03	■

6.1.2 Test Location : SHIELD ROOM #6

6.1.3 Test Conditions :

Temperature	Relative Humidity
(22.6 ~ 22.6) °C	(36.5 ~ 36.5) % R.H.

6.1.4 Diagram of test setup



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6.1.5 Test Result

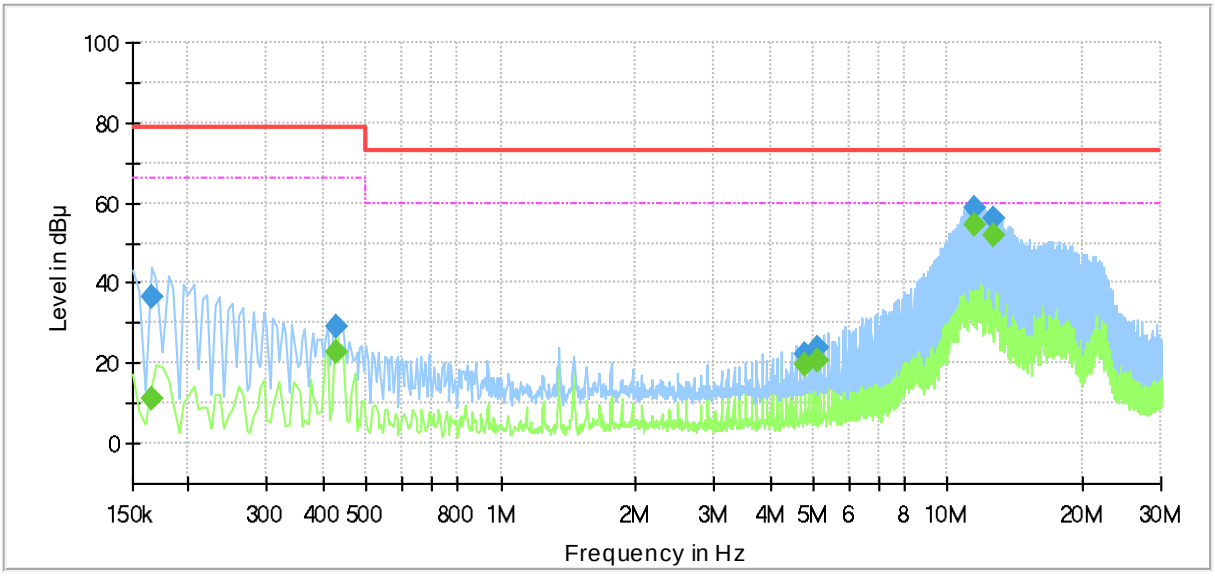
○ Test Date : 2026-03-16

● Test Mode : Mode 1

Test Report

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Test Description:	Conducted Emission
Job No.:	KES-EM260399
Phase:	L
Mode:	Mode 1
Operator Name:	KES



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.165000	36.49	---	79.00	42.51	1000.0	9.000	L1	19.4
0.165000	---	11.09	66.00	54.91	1000.0	9.000	L1	19.4
0.430000	28.95	---	79.00	50.05	1000.0	9.000	L1	19.4
0.430000	---	22.68	66.00	43.32	1000.0	9.000	L1	19.4
4.775000	22.22	---	73.00	50.78	1000.0	9.000	L1	19.8
4.775000	---	19.81	60.00	40.19	1000.0	9.000	L1	19.8
5.085000	23.94	---	73.00	49.06	1000.0	9.000	L1	19.8
5.085000	---	20.89	60.00	39.11	1000.0	9.000	L1	19.8
11.415000	58.81	---	73.00	14.19	1000.0	9.000	L1	20.0
11.415000	---	54.69	60.00	5.31	1000.0	9.000	L1	20.0
12.660000	56.28	---	73.00	16.72	1000.0	9.000	L1	20.1
12.660000	---	52.01	60.00	7.99	1000.0	9.000	L1	20.1

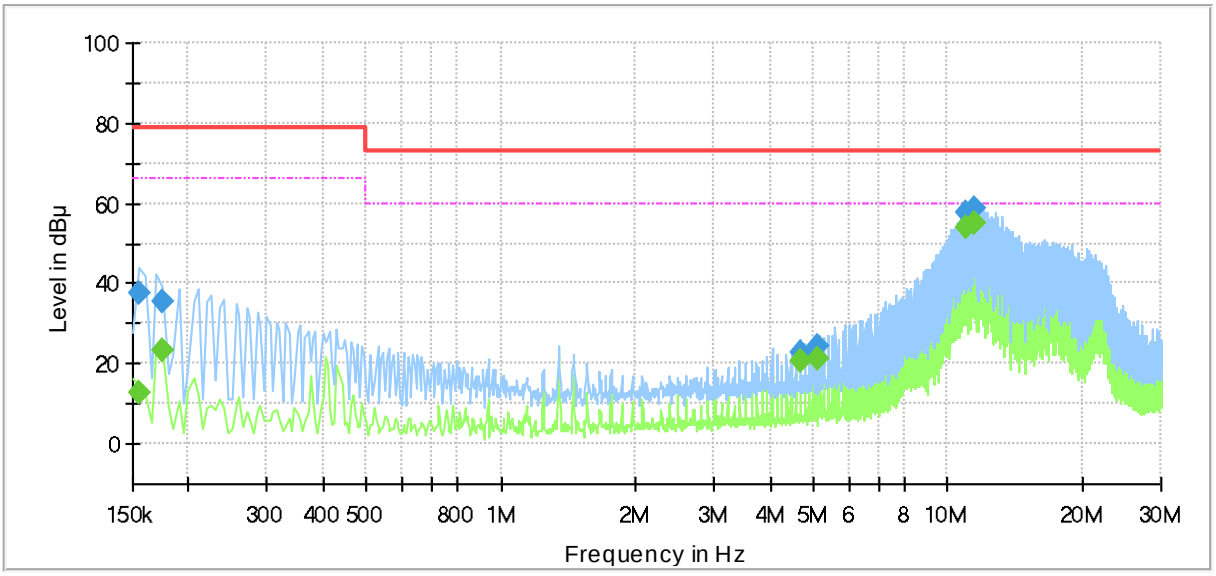
You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

○ Test Date : 2026-03-16
● Test Mode : Mode 1

Test Report

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Test Description:	Conducted Emission
Job No.:	KES-EM260399
Phase:	N
Mode:	Mode 1
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	37.59	---	79.00	41.41	1000.0	9.000	N	19.4
0.155000	---	12.95	66.00	53.05	1000.0	9.000	N	19.4
0.175000	35.45	---	79.00	43.55	1000.0	9.000	N	19.4
0.175000	---	23.07	66.00	42.93	1000.0	9.000	N	19.4
4.670000	23.04	---	73.00	49.96	1000.0	9.000	N	19.8
4.670000	---	20.75	60.00	39.25	1000.0	9.000	N	19.8
5.085000	24.29	---	73.00	48.71	1000.0	9.000	N	19.8
5.085000	---	21.18	60.00	38.82	1000.0	9.000	N	19.8
11.000000	57.69	---	73.00	15.31	1000.0	9.000	N	20.0
11.000000	---	53.84	60.00	6.16	1000.0	9.000	N	20.0
11.520000	58.72	---	73.00	14.28	1000.0	9.000	N	20.0
11.520000	---	54.88	60.00	5.12	1000.0	9.000	N	20.0

6.1.6 Remark

Complies with the test requirements.

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6.2 Radiated Emissions(Below 1 ㎓)

6.2.1 Test Equipment

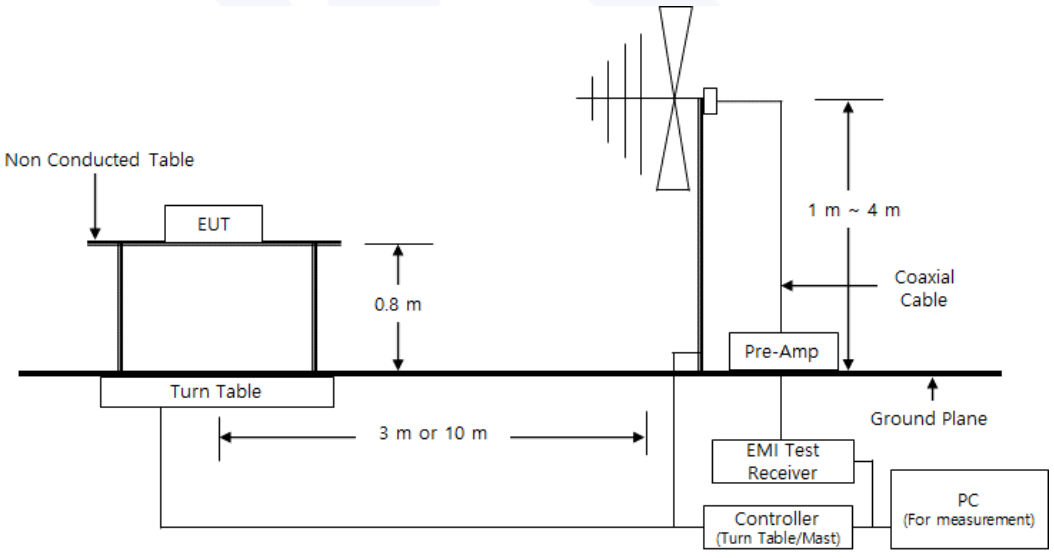
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SEMI ANECHOIC CHAMBER #4(10 m)	-	DYMSTEC	-	-	-	■
EP5/RE Software	EP5/RE	TOYO	6.0.0	-	-	■
EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100551	2026-02-12	2027-02-12	■
AMPLIFIER	SCU 01	Rohde & Schwarz	100603	2025-11-03	2026-11-03	■
BILOG ANTENNA	VULB 9168	SCHWARZBECK	9168-461	2024-05-09	2026-05-09	■

6.2.2 Test Location : SEMI ANECHOIC CHAMBER #4(10 m) Measurement Distance : □ 3 m, ■ 10 m

6.2.3 Test Conditions :

Temperature	Relative Humidity
(21.4 ~ 21.5) °C	(35.3 ~ 35.4) % R.H.

6.2.4 Diafram of test setup

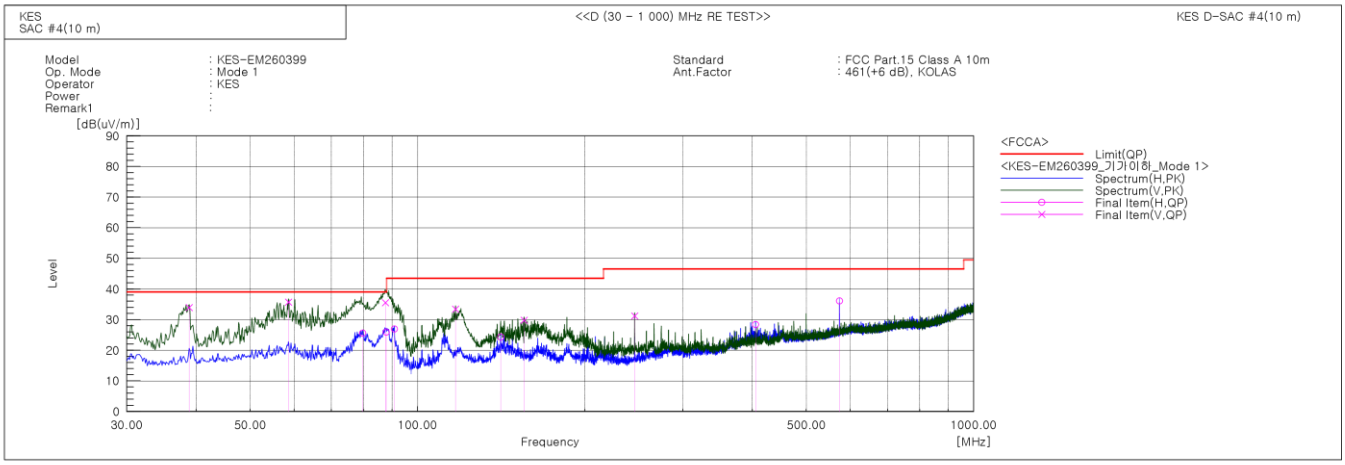


You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

6.2.5 Test Result

○ Test Date : 2026-03-16

● Test Mode : Mode 1



Final Result

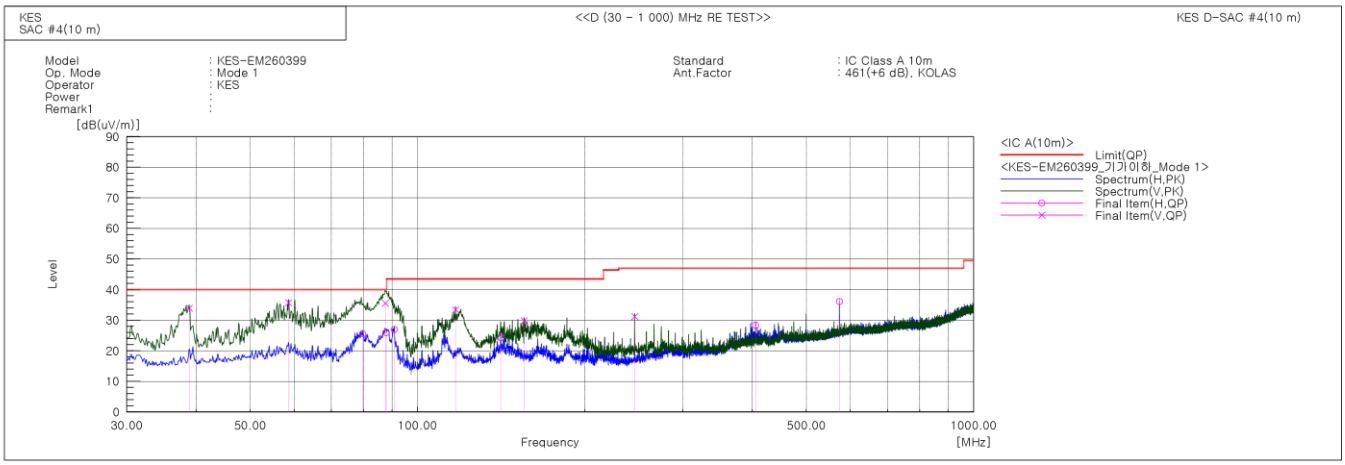
No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	38.851	V	55.3	-21.4	33.9	39.0	5.1	131.0	54.0	
2	58.615	V	56.6	-20.9	35.7	39.0	3.3	106.0	71.0	
3	79.713	H	50.8	-25.2	25.6	39.0	13.4	389.0	190.0	
4	87.594	V	61.4	-25.9	35.5	39.0	3.5	112.0	210.0	
5	87.836	H	51.8	-25.9	25.9	39.0	13.1	400.0	34.0	
6	90.868	H	52.8	-25.9	26.9	43.5	16.6	334.0	198.0	
7	117.058	V	55.9	-22.5	33.4	43.5	10.1	100.0	119.0	
8	141.186	H	44.1	-19.8	24.3	43.5	19.2	381.0	101.0	
9	155.494	V	49.0	-19.2	29.8	43.5	13.7	122.0	251.0	
10	245.704	V	51.0	-19.8	31.2	46.5	15.3	110.0	149.0	
11	405.511	H	41.5	-13.1	28.4	46.5	18.1	297.0	77.0	
12	574.049	H	43.8	-7.7	36.1	46.5	10.4	317.0	219.0	

※ The data is the result measured by the detector in Quasi-Peak mode on the Peak graph.

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

○ Test Date : 2026-03-16

● Test Mode : Mode 1_IC



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	38.851	V	55.3	-21.4	33.9	40.0	6.1	131.0	54.0	
2	58.615	V	56.6	-20.9	35.7	40.0	4.3	106.0	71.0	
3	79.713	H	50.8	-25.2	25.6	40.0	14.4	389.0	190.0	
4	87.594	V	61.4	-25.9	35.5	40.0	4.5	112.0	210.0	
5	87.836	H	51.8	-25.9	25.9	40.0	14.1	400.0	34.0	
6	90.868	H	52.8	-25.9	26.9	43.5	16.6	334.0	198.0	
7	117.058	V	55.9	-22.5	33.4	43.5	10.1	100.0	119.0	
8	141.186	H	44.1	-19.8	24.3	43.5	19.2	381.0	101.0	
9	155.494	V	49.0	-19.2	29.8	43.5	13.7	122.0	251.0	
10	245.704	V	51.0	-19.8	31.2	47.0	15.8	110.0	149.0	
11	405.511	H	41.5	-13.1	28.4	47.0	18.6	297.0	77.0	
12	574.049	H	43.8	-7.7	36.1	47.0	10.9	317.0	219.0	

※ The data is the result measured by the detector in Quasi-Peak mode on the Peak graph.

6.2.6 Remark

Complies with the test requirements.

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

6.3 Radiated Emissions(Above 1 ㎓)

6.3.1 Test Equipment

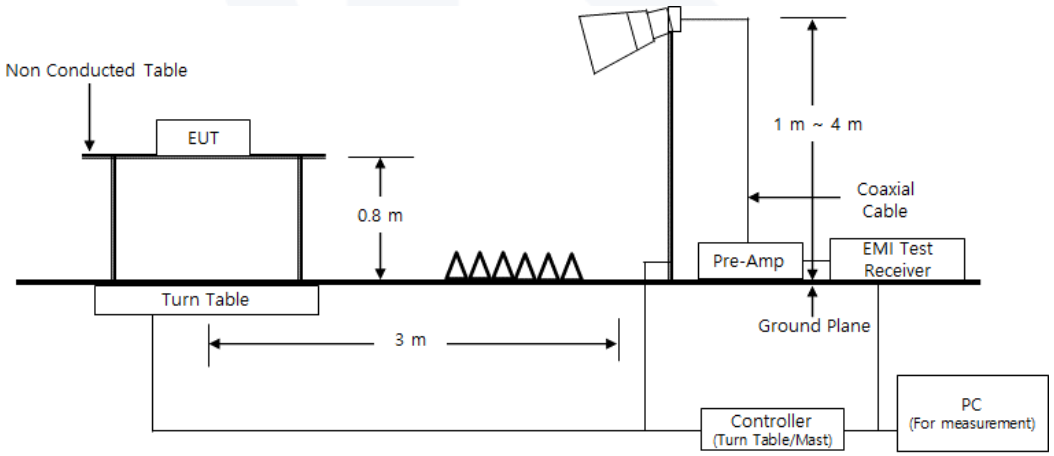
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SEMI ANECHOIC CHAMBER #5	-	SY Corporation	-	-	-	■
ES10/RE Software	ES10/RE	TOYO	2022.01.000	-	-	■
EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	2026-02-12	2027-02-12	■
PREAMPLIFIER	8449B	HP	3008A00538	2025-04-30	2026-04-30	■
ATTENUATOR	8491B	HP	23094	2026-02-12	2027-02-12	■
HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1802	2025-11-05	2026-11-05	■

6.3.2 Test Location : SEMI ANECHOIC CHAMBER #5

6.3.3 Test Conditions :

Temperature	Relative Humidity
(23.6 ~ 23.7) °C	(37.9 ~ 38.0) % R.H.

6.3.4 Diagram of test setup

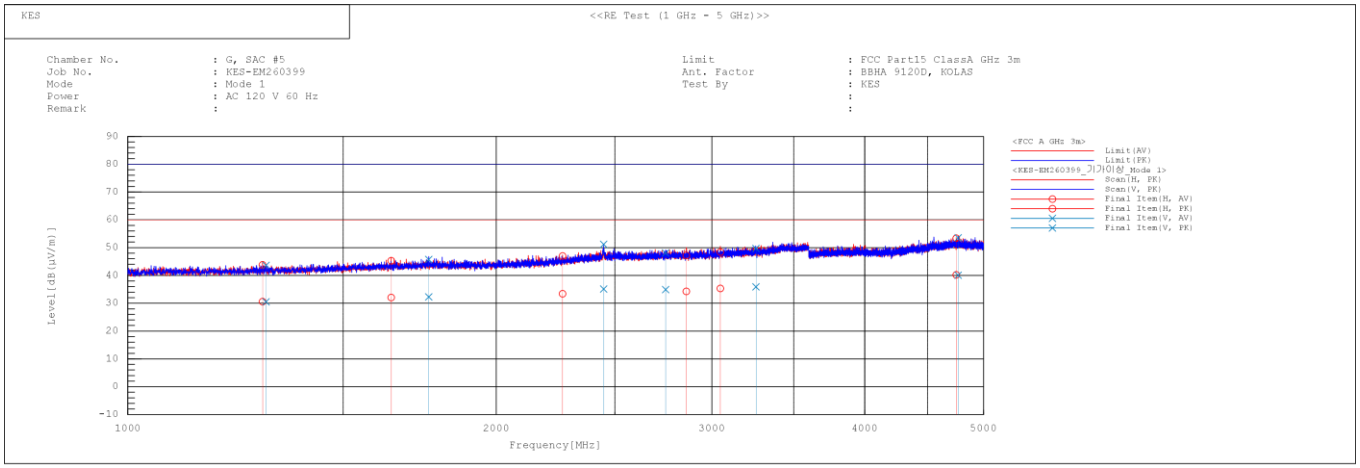


You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

6.3.5 Test Result

○ Test Date : 2026-03-19

● Test Mode : Mode 1



Final Result

No.	Frequency	Pol	Reading AV	Reading PK	c.f	Result AV	Result PK	Limit AV	Limit PK	Margin AV	Margin PK	Height	Angle	Remark
	[MHz]		[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[deg]	
1	1288.718	H	30.3	43.5	0.3	30.6	43.8	60.0	80.0	29.4	36.2	235.0	205.5	
2	1297.128	V	30.2	43.3	0.3	30.5	43.6	60.0	80.0	29.5	36.4	122.0	139.4	
3	1641.217	H	30.0	43.2	2.1	32.1	45.3	60.0	80.0	27.9	34.7	273.0	108.8	
4	1761.436	V	29.7	43.1	2.6	32.3	45.7	60.0	80.0	27.7	34.3	108.0	143.7	
5	2265.675	H	28.8	42.4	4.6	33.4	47.0	60.0	80.0	26.6	33.0	189.0	144.3	
6	2448.169	V	29.6	45.7	5.5	35.1	51.2	60.0	80.0	24.9	28.8	129.0	343.6	
7	2750.475	V	28.6	41.8	6.3	34.9	48.1	60.0	80.0	25.1	31.9	112.0	146.7	
8	2859.225	H	27.7	40.6	6.6	34.3	47.2	60.0	80.0	25.7	32.8	219.0	250.0	
9	3048.573	H	28.2	41.3	7.1	35.3	48.4	60.0	80.0	24.7	31.6	250.0	0.4	
10	3258.819	V	28.6	42.4	7.3	35.9	49.7	60.0	80.0	24.1	30.3	134.0	106.7	
11	4750.088	H	28.1	41.3	12.1	40.2	53.4	60.0	80.0	19.8	26.6	226.0	213.0	
12	4768.107	V	28.0	41.4	12.1	40.1	53.5	60.0	80.0	19.9	26.5	118.0	225.8	

※ The data is the result of measured by the detector in PK and CISPR Average on the Peak graph.
※ The Average of the test data is the cispr average result.

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

○ Test Date : 2026-03-19

● Test Mode : Mode 1

PK

Frequency (MHz)	Reading PK (dBuV)	Polarization	Height (m)	ANT Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
6 839.584	41.500	V	1.070	35.530	9.960	34.720	52.270	80.000	27.730
7 239.992	39.600	H	2.280	36.020	10.780	33.820	52.580	80.000	27.420
9 693.127	39.100	H	1.980	39.000	11.990	33.640	56.450	80.000	23.550
9 963.289	40.200	V	1.320	39.700	12.020	34.220	57.700	80.000	22.300

CISPR AV

Frequency (MHz)	Reading CISPR AV (dBuV)	Polarization	Height (m)	ANT Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
6 839.584	27.600	V	1.070	35.530	9.960	34.720	38.370	60.000	21.630
7 239.992	25.800	H	2.280	36.020	10.780	33.820	38.780	60.000	21.220
9 693.127	25.900	H	1.980	39.000	11.990	33.640	43.250	60.000	16.750
9 963.289	26.700	V	1.320	39.700	12.020	34.220	44.200	60.000	15.800

※ No spurious emission were detected above 16 GHz

6.3.6 Remark

Complies with the test requirements.

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

7 Test Setup Photos and EUT Photographs

7.1 Test Setup Photos

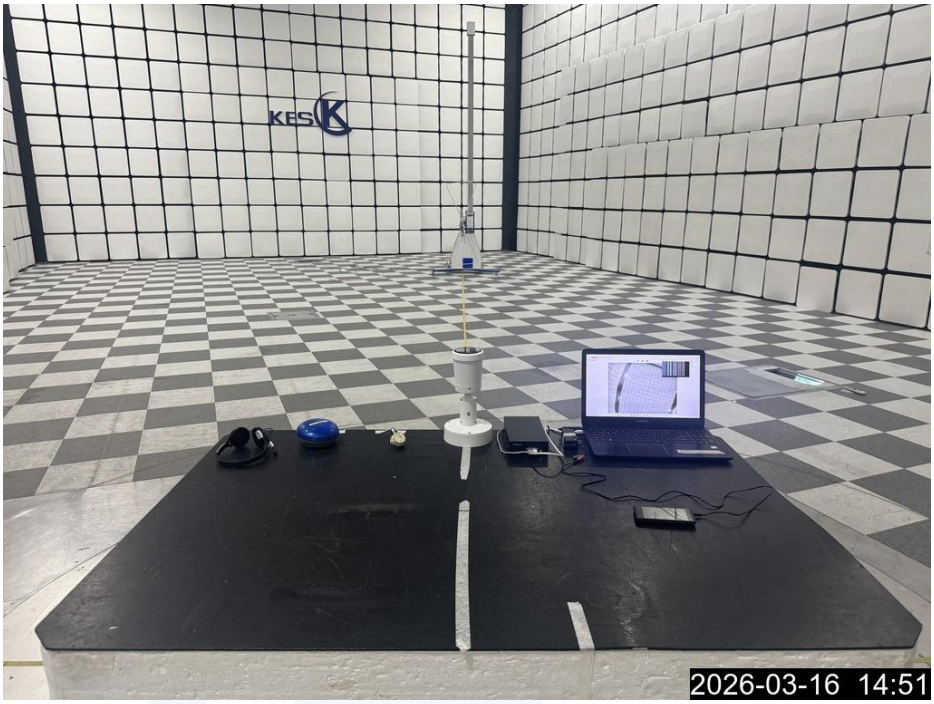


<Conducted Emissions at Mains Power Ports - Front>

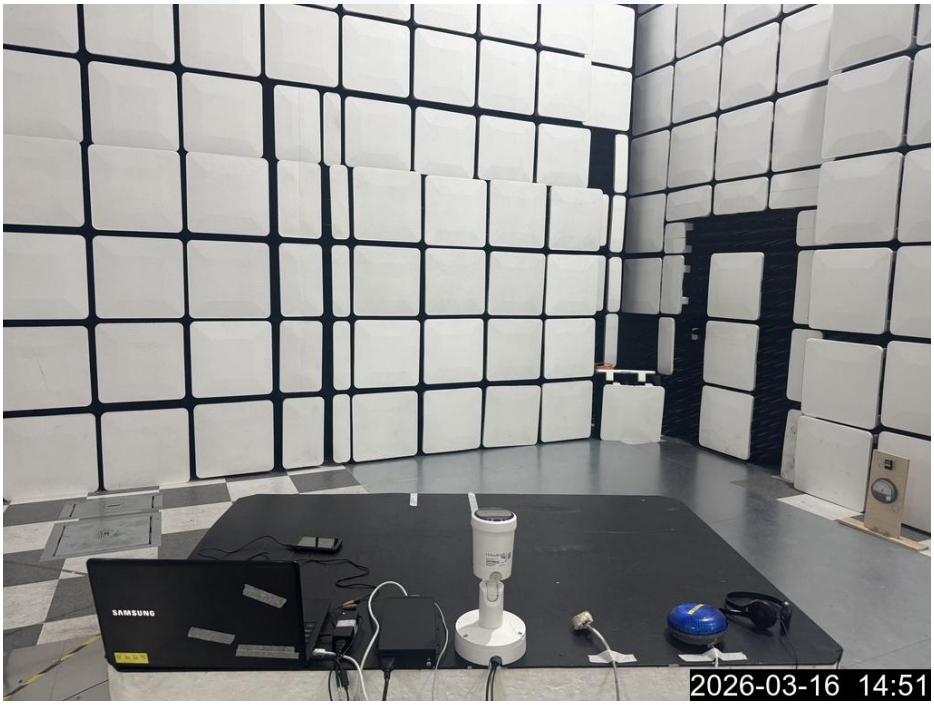


<Conducted Emissions at Mains Power Ports - Rear>

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

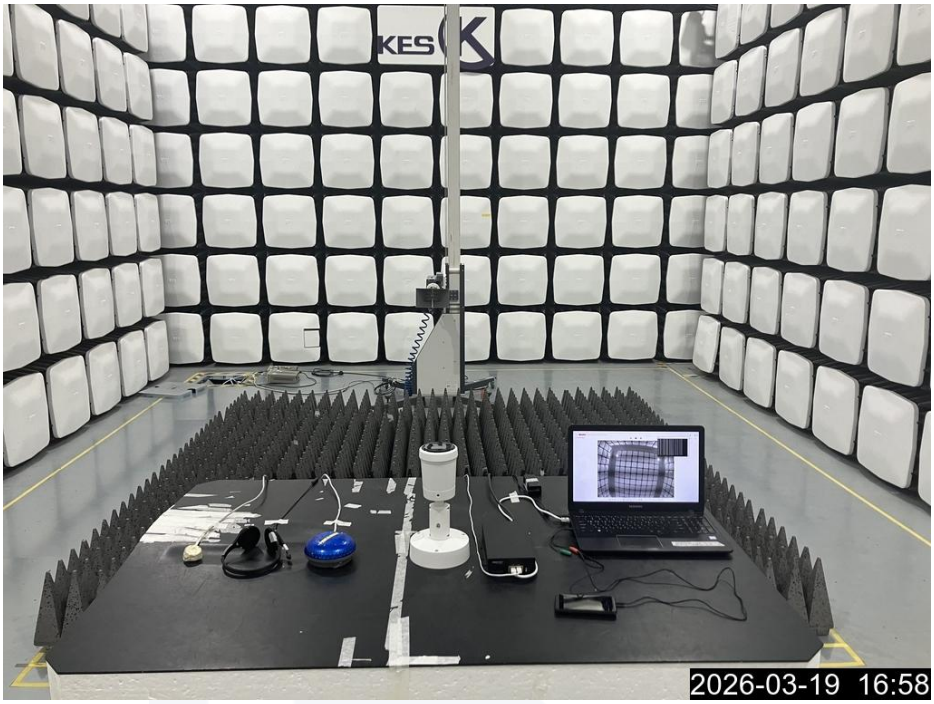


<Radiated Emissions(Below 1 ㎓) - Front>

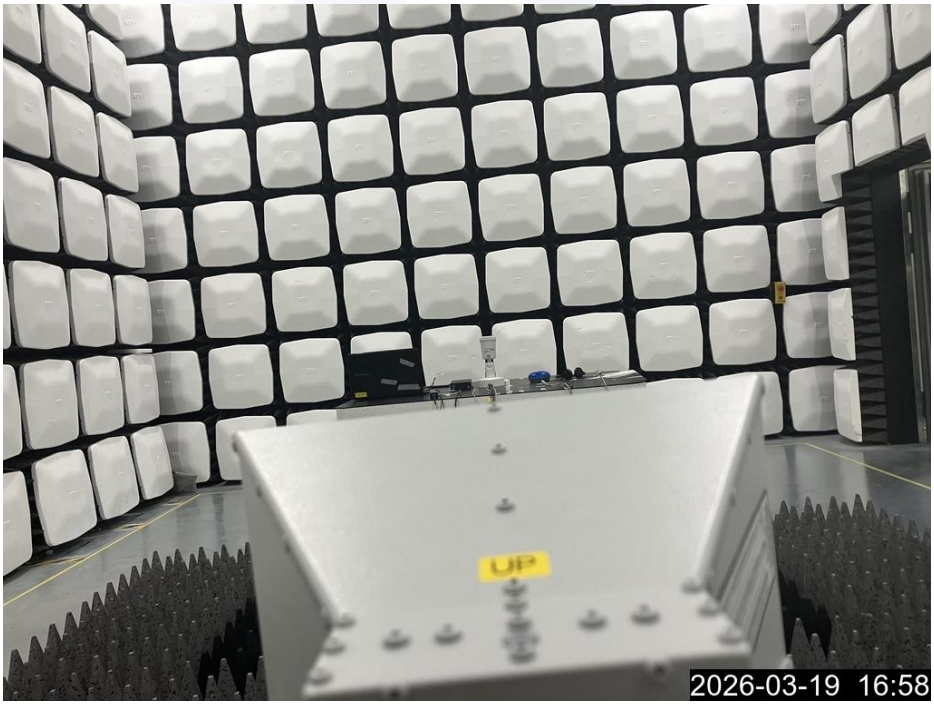


<Radiated Emissions(Below 1 ㎓) - Rear>

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).



<Radiated Emissions(Above 1 ㎓) - Front>



<Radiated Emissions(Above 1 ㎓) - Rear>

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

7.2 EUT Photographs

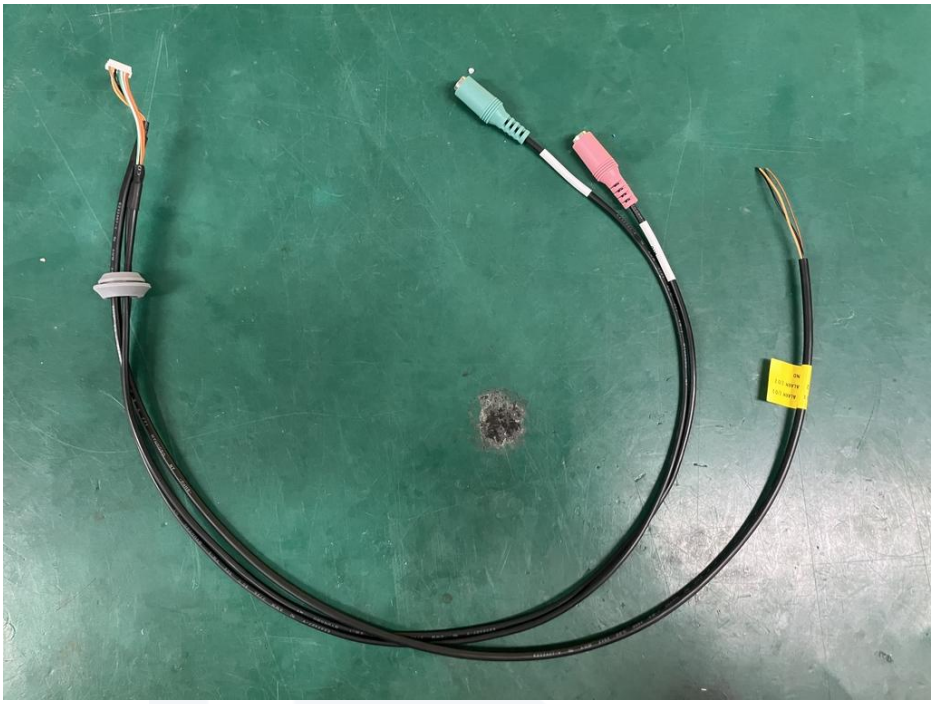


<EUT External Photographs - Top>



<EUT External Photographs - Bottom>

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).



<Components>



<Port-1>

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).



<Port-2>



<Port-3>

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).



<EUT Internal Photographs>

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

7.3 Label

	Name	: Hanwha Vision Co., Ltd.
	Product item	: NETWORK CAMERA
	Model name	: XNO-A8014R
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.		

The above label is only an example. The specific format is left to the manufacturer to decide, as long as the label includes the required information, in accordance with ICES-Gen. The requirements specified in ICES-Gen shall apply. An example ISED compliance label, to be placed on each unit of an equipment model (or in the user manual, if allowed), is given below:
CAN ICES-003(A) / NMB-003(A)

The End.

You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).