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 INTERCOM
◯ Model name	:	TID-A800
◯ 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. 05. 19. ~ 2026. 05. 20.
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 : SeHeon Kim 김세헌 [김세헌]2026/05/28	Name : DongHun Jang [장동훈]2026/05/28

2026. 05. 28.

KES Co., Ltd.

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REPORT REVISION HISTORY

Date	Test Report No.	Revision History
2026. 05. 28.	KES-EM261241	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, Republic of Korea. 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, PoE(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	NOTE 1

* N/A: Not Applicable

(NOTE 1) Since the maximum operating frequency exceeds 1 000 MHz, the measurement is conducted up to the 5th harmonic.

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

Division	Specificity
Internal maximum operating frequency	2 133 MHz

	TID-A800
Video	
Imaging Device	1/2.8" CMOS
Resolution	2592x1944, 2560x1440, 1920x1080, 1600x1200, 1280x960, 1280x720, 1024x768, 800x600, 640x480, 640x360, 320x240, 320x180
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps(@5MP Max. 5fps)
Lens	
Focal Length (Zoom Ratio)	1.93mm fixed focal
Optical Zoom	None
Max. Aperture Ratio	F2.2
Angular Field of View	H: 166° / V: 117° / D: 180°
Min. Object Distance	0.3m(0.98ft)
Focus Control	Fixed
Operational	
Camera Title	Displayed up to 85 characters
Direction Indicator	None
Day & Night	Auto (Electric)
Backlight Compensation	BLC, HLC, WDR, SSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNRⅤ, WiseNRⅡ(Based on AI engine)
Digital Image Stabilization	None
Defog	None
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, 8point polygonal zones - Color: gray/green/red/blue/black/white - Mosaic Dynamic Privacy Mask (Based on AI engine) - Color: gray/green/red/blue/black/white - Mosaic
Gain Control	Off / Max Gain / Manual
White Balance	ATW / NarrowATW / AWC / Manual / Indoor / Outdoor
LDC	None
Electronic Shutter Speed	Minimum / Maximum / Anti flicker(1/5~1/30,000sec) Prefer shutter control(Based on AI engine)
Digital PTZ	Face zoom
Video Rotation	None
Analytics	Classified object type: Person/Vehicle(Type: car/bus/truck/motorcycle/bicycle)/Face/License Plate Attributes: Person(Clothing top/bottom color), Vehicle(Type: car/bus/truck/motorcycle/bicycle, Color), Face(Age, Gender, Face mask, Glasses) Support BestShot Support Similarity search **Analytics events based on AI engine** Object detection, Virtual line(Crossing/Direction), Motion detection, Face mask detection, Virtual area(Loitering/Intrusion/Enter/Exit/Appear/Disappear) **Analytics events** Defocus detection, Tampering, Audio detection, Shock detection
Business Intelligence	Based on AI engine: People counting, Vehicle counting, Crowd counting
Serial Interface	None
Alarm I/O	Input 2ea / Output 1ea , Relay out 1ea (12VDC Max. 550mA with 2A adapter) *Support extra alarm I/O via optional I/O box
Alarm Triggers	Analytics, Network disconnection, Alarm input, App event, Time schedule, MQTT subscription, Day/Night, Storage disruption, Case open tempering, **DTMF**
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(WAV, MP3) - MQTT: publication - SIP

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Audio Streaming	Two-way/one-way selectable, Full duplex, Echo cancellation and noise reduction
Audio In	Built-in MIC
Audio Out	DC12V: Max. 84dB at 1kHz/1m PoE: Max. 81dB at 1kHz/1m
Light Type	White light
Network	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Smart Codec	WiseStream(Based on AI engine)
Video Quality Adjustment	H.264/H.265: Target bitrate level control MJPEG: Quality Level control
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast Multiple streaming(Up to 5 profiles, 1 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(StartTLS), ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast), CDP, MQTT, Syslog, SIP
Security	None
Application Programming Interface	ONVIF Profile S/G/T/M SUNAPI (HTTP API) Hanwha Vision Open Platform
Direct Cloud Connection	Support
Security	
OS / Firmware Protect	Secure boot, Signed firmware, Firmware encryption
User authentication	Digest Authentication, Prevent brute-force attack
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	Secure element, SDcard partition encrypt
Supply Chain Security	SBOM
Security Certificate	ETSI EN 303 645, Secure element(FIPS 140-3 level3, CC EAL6+)
General	
Webpage Language	English, Korean, Simplified Chinese, Traditional Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Web Viewer	None
Edge Storage	Micro SD/SDHC/SDXC 1slot Max.1TB
Memory	4GB RAM, 8GB eMMC
Environmental & Electrical	
Operating Temperature / Humidity	-40°C~+55°C(-40°F~+131°F) * Start up should be done at above -30°C 0~100%RH (condensing)
Storage Temperature / Humidity	-50°C~+60°C(-58°F ~ +140°F) / 0~95% RH
Wind Load	None
EPA(Effective Projected Area)	None
Certification	IP65, IK08
Input Voltage	PoE(IEEE802.3af, Class3), 12VDC
Power Consumption	PoE: Max 12.95W, typical 6.8W 12VDC: Max 21.3W, typical 6.9W * 12VDC power consumption includes 12VDC/550mA relay out.
Mechanical	
Color / Material	Dark gray / Aluminium Bubble : Hard-coated dome
RAL Code	RAL7022
Product Dimensions / Weight	49(W)x199(H)x47.5(D)mm (BODY) 49(W)x199(H)x60.1(D)mm (with BUBBLE)
Compatible Conduit hole / Gangbox	None

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4 EUT Setup and Operation Mode

4.1 EUT Configuration

Product Name	Model Number	Serial Number	Manufacturer	Remarks
NETWORK INTERCOM	TID-A800	-	HANWHA VISION VIETNAM COMPANY LIMITED	EUT
AC/DC Adpater	2ACB022F	-	Chnnel Well Technology	-
PoE Injector	PT-PSE109GBRO-AH-S	-	Dongguan PROCET Network Technology Co.,Ltd	-
Laptop	NT550XDZ	-	Samsung Electronics	-
Laptop AC/DC Adapter	AD-4019A	-	Chicony	-
Alarm	PRO-SL	-	SENSOR PRO	-
Button Alarm	-	-	-	-
Door Lock Jig	-	-	-	-
Micro SD Card	-	-	SanDisk	-

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.	
Product Name	**I/O Port**	**Product Name**	**I/O Port**	**Length(m)**	**Shield**
EUT	DC IN	AC/DC Adpater	DC OUT	1.5	U
	RJ-45 (LAN)	Laptop	RJ-45 (LAN)	3.1	U
	7 Pin (Alarm OUT)	Alarm	Alarm IN	3.5	U
	7 Pin (Alarm IN)	Button Alarm	Alarm OUT	3.5	U
	7 Pin (+12V OUT)	Door Lock Jig	DC IN	0.5	U
	7 Pin (COM)		COM	0.5	U
	7 Pin (NO/NC)		NO/NC	0.5	U
	Micro SD Slot	Micro SD Card	Micro SD Slot	-	-
Laptop	DC Jack	Laptop AC/DC Adapter	DC Jack	1.5	U

Mode 2

Start		End		Cable Spec.	
Product Name	**I/O Port**	**Product Name**	**I/O Port**	**Length(m)**	**Shield**
EUT	RJ-45 (PoE)	PoE Injector	RJ-45 (PoE)	3.1	U
	7 Pin (Alarm OUT)	Alarm	Alarm IN	3.5	U
	7 Pin (Alarm IN)	Button Alarm	Alarm OUT	3.5	U
	7 Pin (+12V OUT)	Door Lock Jig	DC IN	0.5	U
	7 Pin (COM)		COM	0.5	U
	7 Pin (NO/NC)		NO/NC	0.5	U
	Micro SD Slot	Micro SD Card	Micro SD Slot	-	-
PoE Injector	RJ-45 (LAN)	Laptop	RJ-45 (LAN)	1.0	U
Laptop	DC Jack	Laptop AC/DC Adapter	DC Jack	1.5	U

* Unshielded=U, Shielded=S

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4.4 EUT Operating Mode(s)

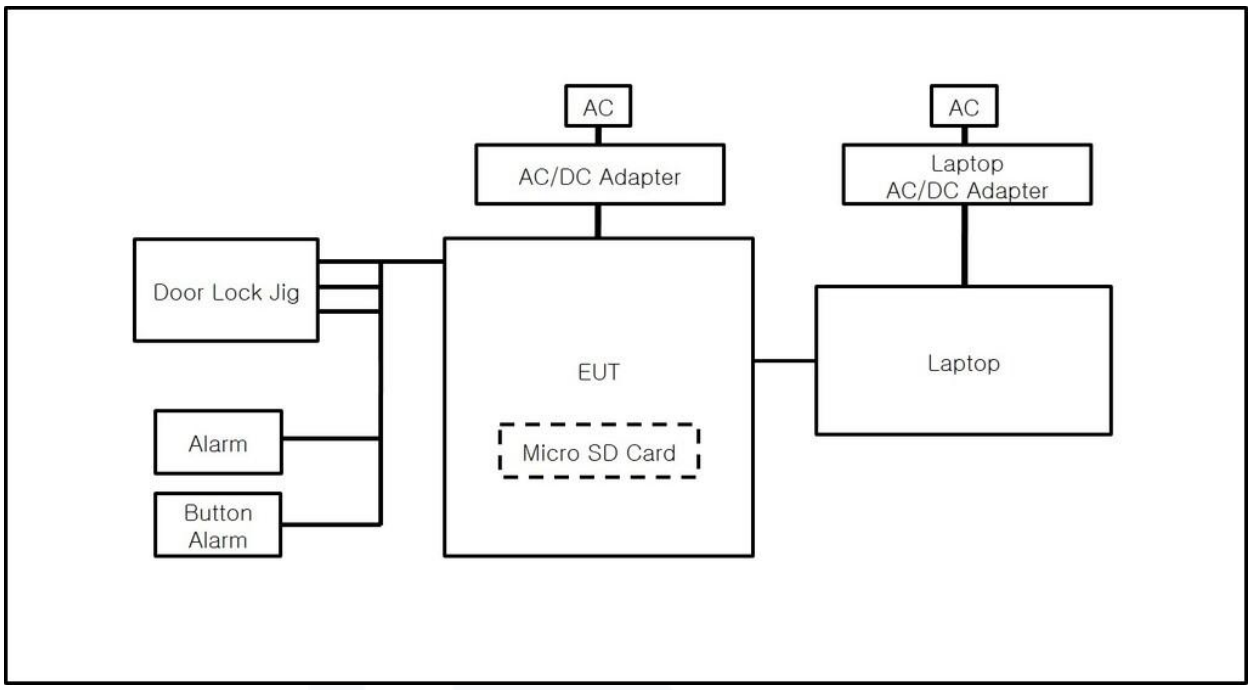
Category	Mode	Operating
Mode 1	DC Power	- Monitoring EUT Using Web Viewer, Ping Test - When the Button Alarm is pressed, make sure the Alarm is working - Uploaded the 1 ㎑ tone sound to the Web Viewer and checked if the sound is output to the headset. - After the test, the recorded video stored on the Micro SD Card was checked and the microphone motion was also confirmed.
Mode 2	PoE Power	

4.5 Test operating S/W

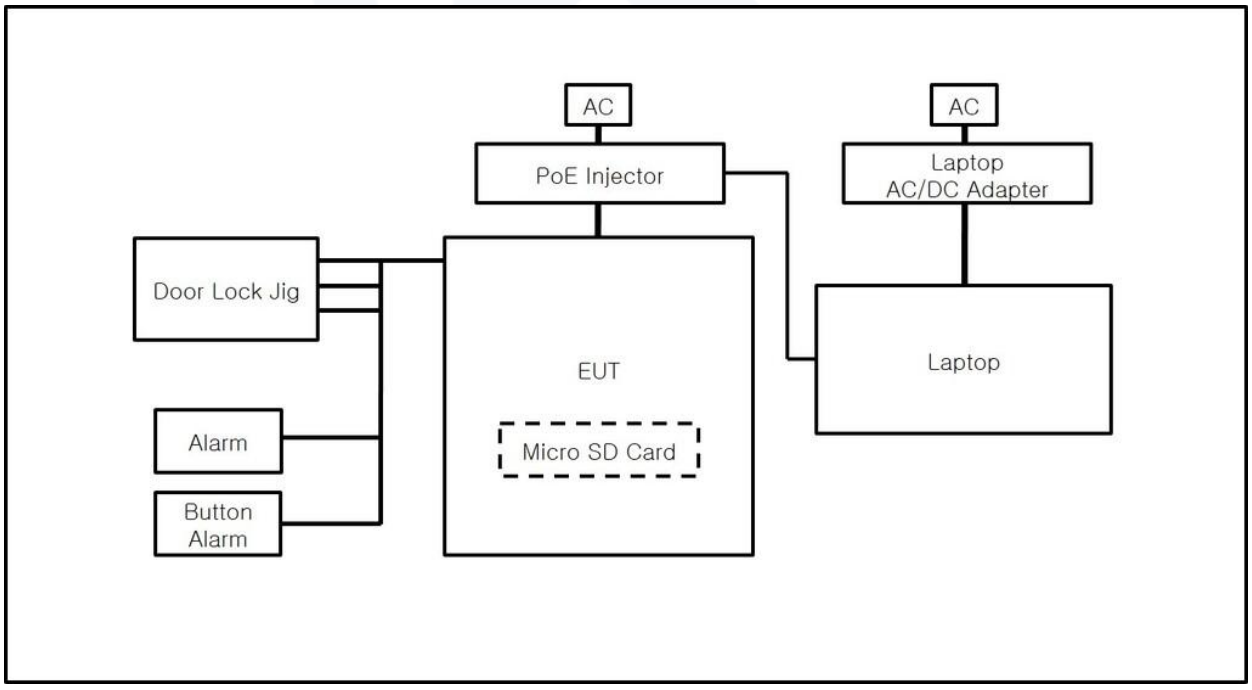
Name	Version	Manufacture Company
Web Viewer	-	Hanwha Vision Co., Ltd.

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4.6 Configuration



Mode 1



Mode 2

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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

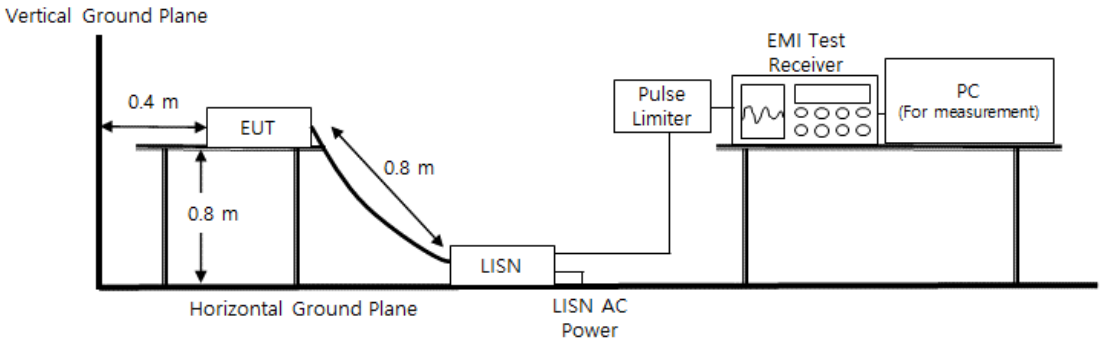
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SHIELD ROOM #6	-	DYMSTEC	-	-	-	■
EMC32 Measurement Software	EMC32	R&S	9.12.00	-	-	■
EMI TEST RECEIVER	ESR3	Rohde & Schwarz	101783	2025-11-03	2026-11-03	■
LISN	ENV216	Rohde & Schwarz	101787	2025-09-04	2026-09-04	■
ARTIFICIAL 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
(24.8 ~ 24.9) °C	(40.9 ~ 40.9) % R.H.

6.1.4 Diagram of test setup



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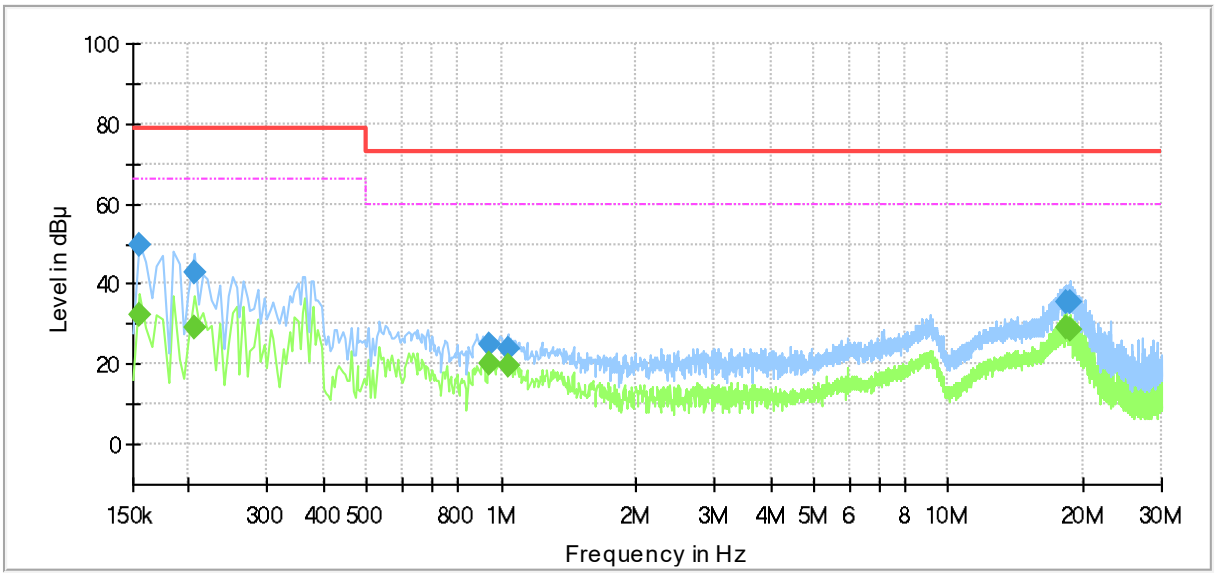
6.1.5 Test Result

○ Test Date : 2026-05-20

● Test Mode : Mode 1

Test Report

Test Description:	Conducted Emission
Job No.:	KES-EM261241
Phase:	L
Mode:	Mode 1
Operator Name:	KES



Final_Result

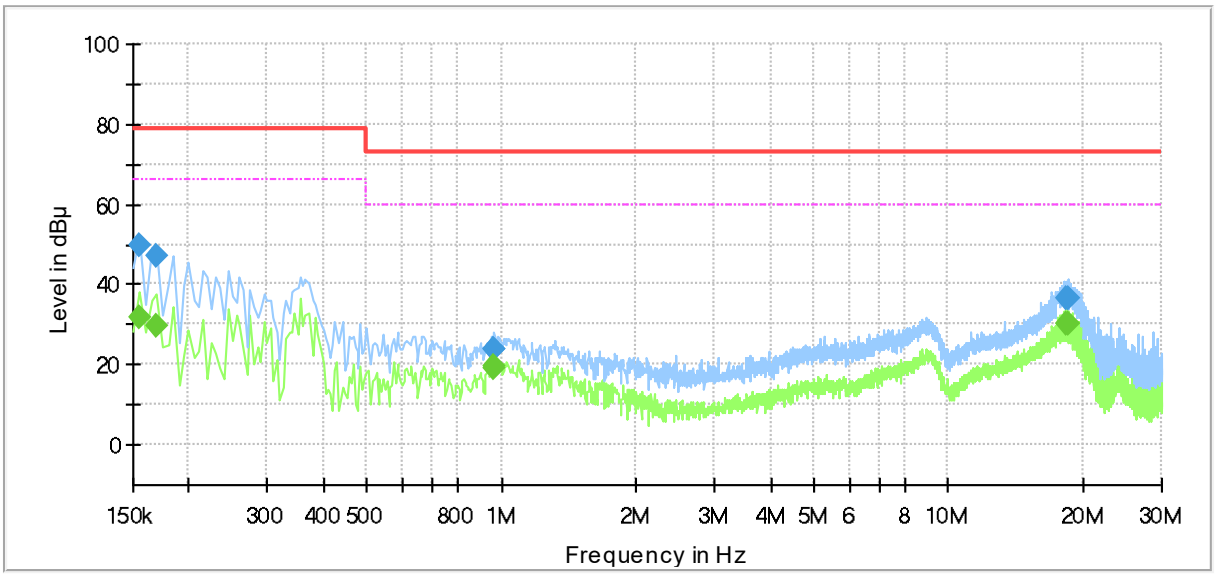
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Corr. (dB)
0.155000	---	32.20	66.00	33.80	1000.0	9.000	L1	19.4
0.155000	49.72	---	79.00	29.28	1000.0	9.000	L1	19.4
0.205000	---	28.90	66.00	37.10	1000.0	9.000	L1	19.4
0.205000	43.13	---	79.00	35.87	1000.0	9.000	L1	19.4
0.935000	---	19.95	60.00	40.05	1000.0	9.000	L1	19.5
0.935000	24.66	---	73.00	48.34	1000.0	9.000	L1	19.5
1.035000	---	19.40	60.00	40.60	1000.0	9.000	L1	19.5
1.035000	23.77	---	73.00	49.23	1000.0	9.000	L1	19.5
18.265000	---	29.22	60.00	30.78	1000.0	9.000	L1	20.2
18.265000	35.53	---	73.00	37.47	1000.0	9.000	L1	20.2
18.770000	---	28.84	60.00	31.16	1000.0	9.000	L1	20.2
18.770000	35.31	---	73.00	37.69	1000.0	9.000	L1	20.2

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○ Test Date : 2026-05-20
● Test Mode : Mode 1

Test Report

Test Description:	Conducted Emission
Job No.:	KES-EM261241
Phase:	N
Mode:	Mode 1
Operator Name:	KES



Final_Result

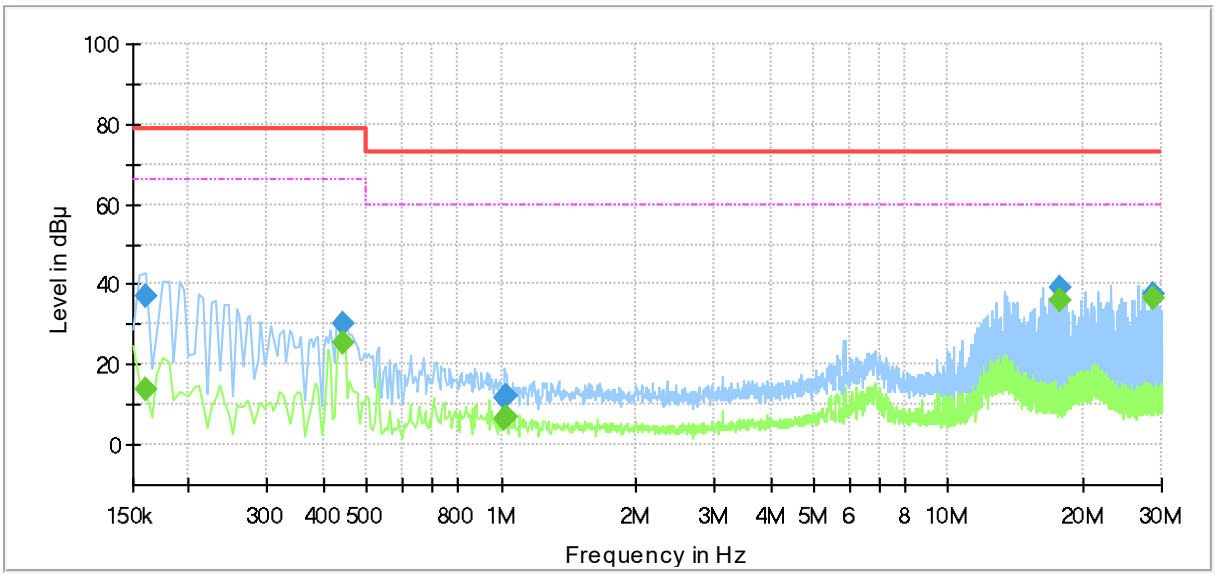
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Corr. (dB)
0.155000	---	32.04	66.00	33.96	1000.0	9.000	N	19.4
0.155000	49.58	---	79.00	29.42	1000.0	9.000	N	19.4
0.170000	---	29.49	66.00	36.51	1000.0	9.000	N	19.4
0.170000	47.24	---	79.00	31.76	1000.0	9.000	N	19.4
0.960000	---	19.31	60.00	40.69	1000.0	9.000	N	19.5
0.960000	23.99	---	73.00	49.01	1000.0	9.000	N	19.5
0.965000	---	19.52	60.00	40.48	1000.0	9.000	N	19.5
0.965000	24.06	---	73.00	48.94	1000.0	9.000	N	19.5
18.445000	---	30.41	60.00	29.59	1000.0	9.000	N	20.3
18.445000	36.76	---	73.00	36.24	1000.0	9.000	N	20.3
18.550000	---	30.31	60.00	29.69	1000.0	9.000	N	20.3
18.550000	36.73	---	73.00	36.27	1000.0	9.000	N	20.3

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○ Test Date : 2026-05-20
● Test Mode : Mode 2

Test Report

Test Description:	Conducted Emission
Job No.:	KES-EM261241
Phase:	L
Mode:	Mode 2
Operator Name:	KES



Final_Result

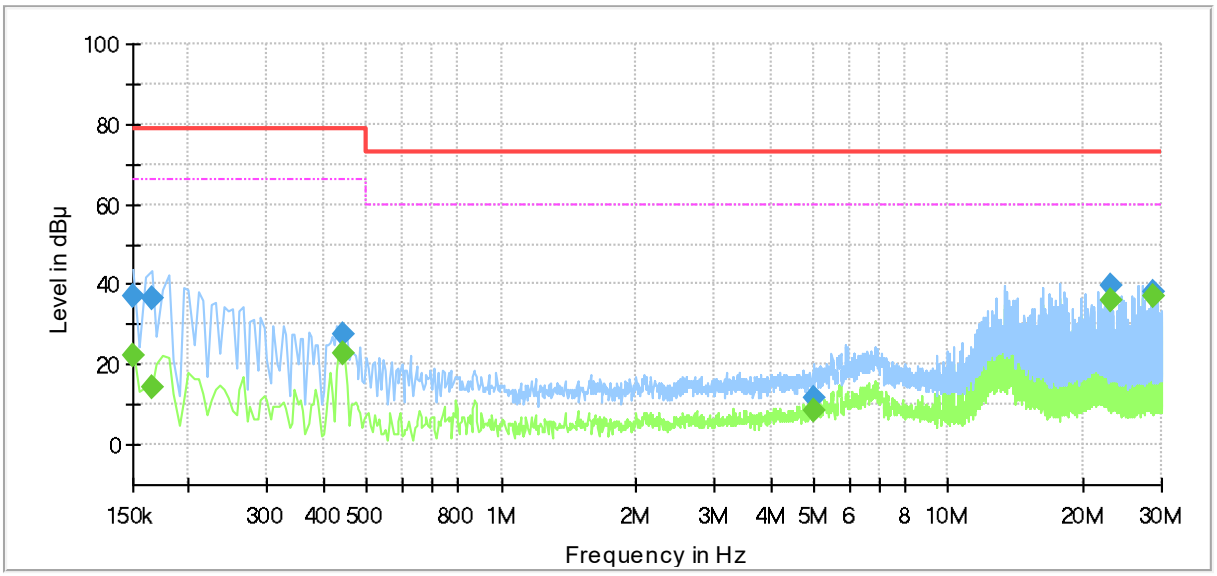
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Corr. (dB)
0.160000	---	13.58	66.00	52.42	1000.0	9.000	L1	19.4
0.160000	36.93	---	79.00	42.07	1000.0	9.000	L1	19.4
0.440000	---	25.20	66.00	40.80	1000.0	9.000	L1	19.4
0.440000	30.39	---	79.00	48.61	1000.0	9.000	L1	19.4
1.020000	---	6.62	60.00	53.38	1000.0	9.000	L1	19.5
1.020000	11.61	---	73.00	61.39	1000.0	9.000	L1	19.5
1.025000	---	6.96	60.00	53.04	1000.0	9.000	L1	19.5
1.025000	12.09	---	73.00	60.91	1000.0	9.000	L1	19.5
17.695000	---	36.20	60.00	23.80	1000.0	9.000	L1	20.2
17.695000	39.28	---	73.00	33.72	1000.0	9.000	L1	20.2
28.685000	---	36.62	60.00	23.38	1000.0	9.000	L1	20.4
28.685000	37.53	---	73.00	35.47	1000.0	9.000	L1	20.4

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

○ Test Date : 2026-05-20
● Test Mode : Mode 2

Test Report

Test Description:	Conducted Emission
Job No.:	KES-EM261241
Phase:	N
Mode:	Mode 2
Operator Name:	KES



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	---	22.17	66.00	43.83	1000.0	9.000	N	19.4
0.150000	37.12	---	79.00	41.88	1000.0	9.000	N	19.4
0.165000	---	14.16	66.00	51.84	1000.0	9.000	N	19.4
0.165000	36.46	---	79.00	42.54	1000.0	9.000	N	19.4
0.440000	---	22.64	66.00	43.36	1000.0	9.000	N	19.5
0.440000	27.61	---	79.00	51.39	1000.0	9.000	N	19.5
4.990000	---	8.26	60.00	51.74	1000.0	9.000	N	19.8
4.990000	11.63	---	73.00	61.37	1000.0	9.000	N	19.8
23.130000	---	36.22	60.00	23.78	1000.0	9.000	N	20.4
23.130000	39.53	---	73.00	33.47	1000.0	9.000	N	20.4
28.685000	---	37.32	60.00	22.68	1000.0	9.000	N	20.6
28.685000	38.20	---	73.00	34.80	1000.0	9.000	N	20.6

6.1.6 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).

6.2 Radiated Emissions(Below 1 ㎓)

6.2.1 Test Equipment

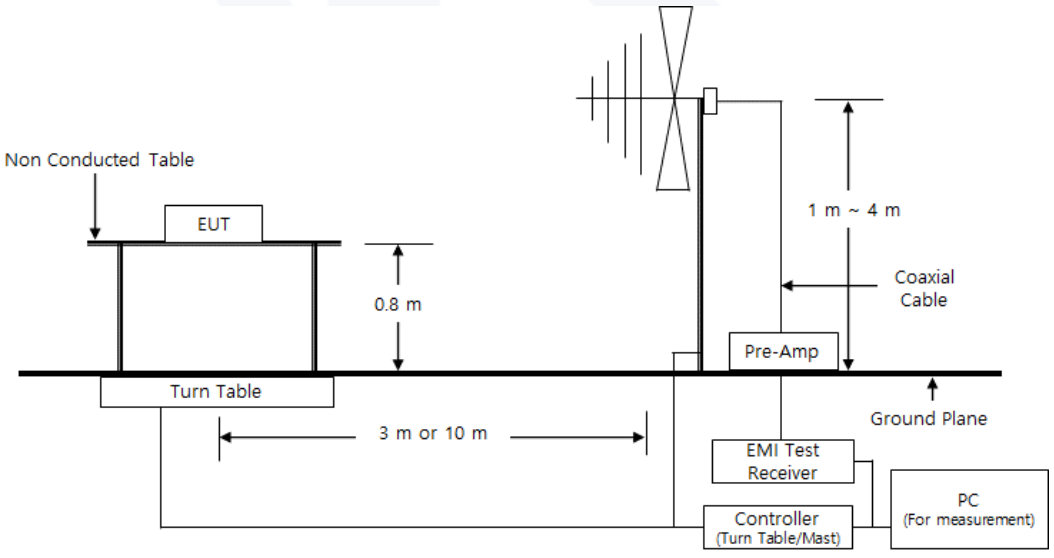
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SEMI ANECHOIC CHAMBER #4(10 m)	-	DYMSTEC	-	-	-	■
EP5/RE Software	EP5/RE	TOYO	6.0.0	-	-	■
EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100551	2026-02-12	2027-02-12	■
AMPLIFIER	SCU 01	Rohde & Schwarz	100574	2026-04-24	2027-04-24	■
TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	715	2024-11-08	2026-11-08	■

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
(22.4 ~ 22.6) °C	(36.7 ~ 36.9) % R.H.

6.2.4 Diafram of test setup

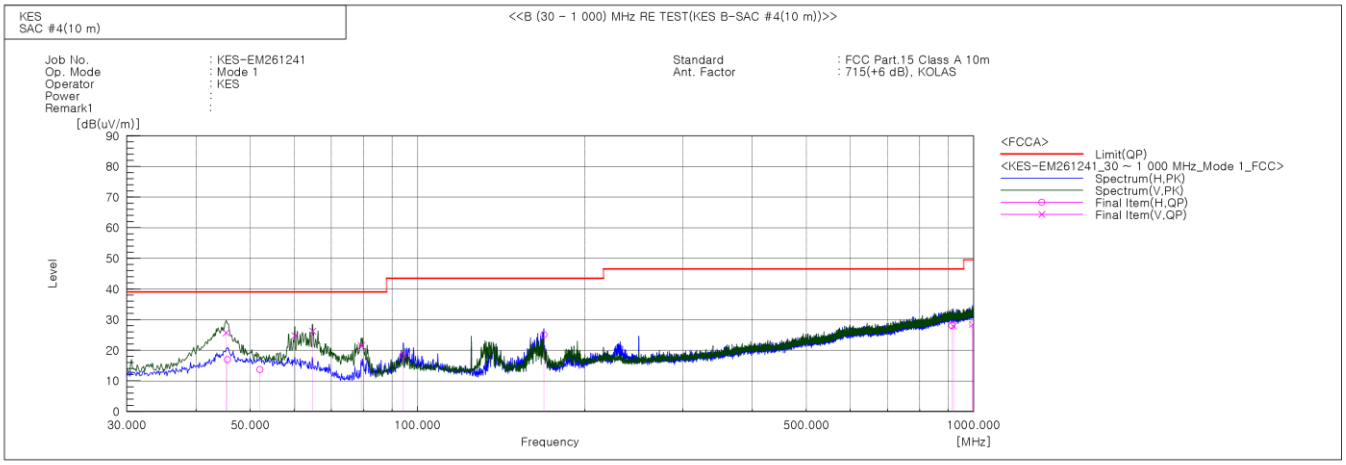


You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

6.2.5 Test Result

○ Test Date : 2026-05-19

● Test Mode : Mode 1_FCC



Final Result

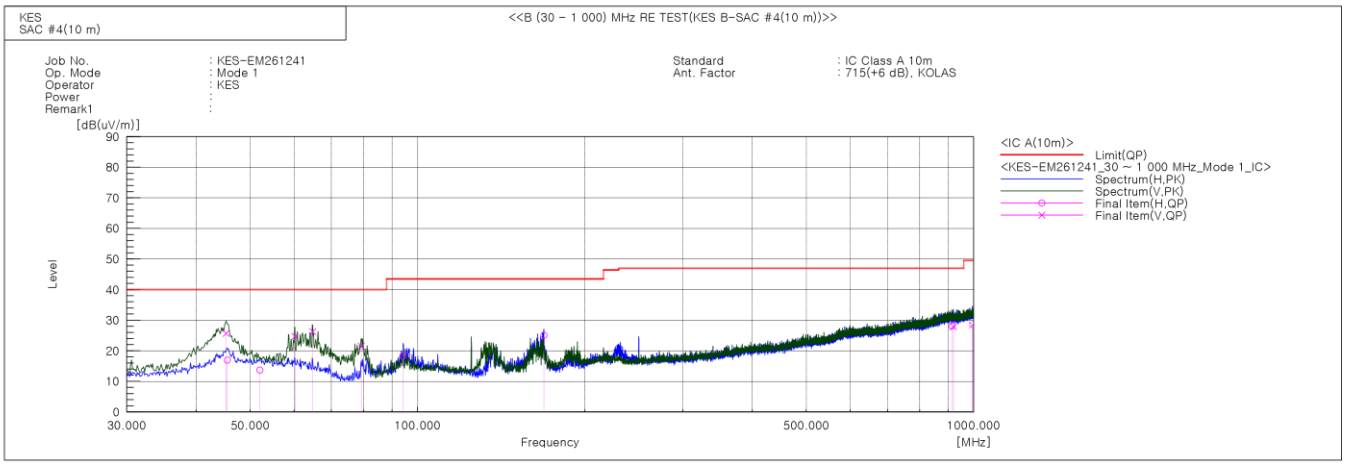
No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	45.278	V	47.0	-21.3	25.7	39.0	13.3	123.0	132.0	
2	45.520	H	38.2	-21.3	16.9	39.0	22.1	382.0	91.0	
3	52.068	H	34.7	-21.0	13.7	39.0	25.3	374.0	76.0	
4	60.191	V	47.0	-22.3	24.7	39.0	14.3	100.0	149.0	
5	64.799	V	49.5	-23.3	26.2	39.0	12.8	108.0	160.0	
6	79.228	V	48.8	-27.3	21.5	39.0	17.5	155.0	53.0	
7	94.263	H	41.2	-22.8	18.4	43.5	25.1	343.0	304.0	
8	168.831	H	49.1	-24.0	25.1	43.5	18.4	369.0	162.0	
9	913.306	H	30.4	-2.3	28.1	46.5	18.4	358.0	72.0	
10	919.854	V	30.2	-2.3	27.9	46.5	18.6	117.0	285.0	
11	994.059	V	29.9	-1.5	28.4	49.5	21.1	156.0	149.0	
12	995.878	H	30.0	-1.4	28.6	49.5	20.9	400.0	50.0	

※ 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 : 2026-05-19

● Test Mode : Mode 1_IC



Final Result

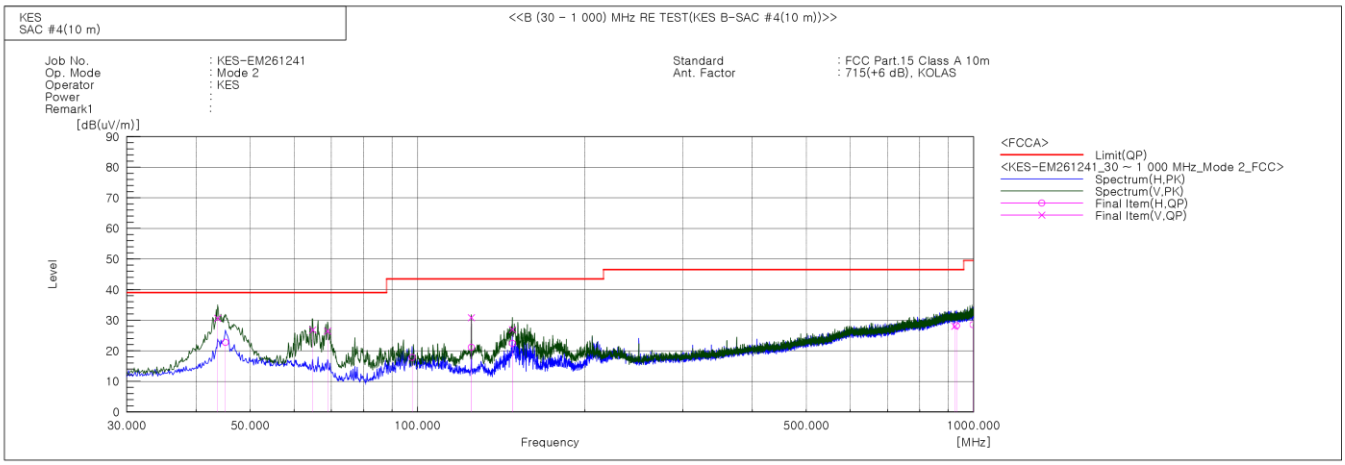
No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	45.278	V	47.0	-21.3	25.7	40.0	14.3	123.0	132.0	
2	45.520	H	38.2	-21.3	16.9	40.0	23.1	382.0	91.0	
3	52.068	H	34.7	-21.0	13.7	40.0	26.3	374.0	76.0	
4	60.191	V	47.0	-22.3	24.7	40.0	15.3	100.0	149.0	
5	64.799	V	49.5	-23.3	26.2	40.0	13.8	108.0	160.0	
6	79.228	V	48.8	-27.3	21.5	40.0	18.5	155.0	53.0	
7	94.263	H	41.2	-22.8	18.4	43.5	25.1	343.0	304.0	
8	168.831	H	49.1	-24.0	25.1	43.5	18.4	369.0	162.0	
9	913.306	H	30.4	-2.3	28.1	47.0	18.9	358.0	72.0	
10	919.854	V	30.2	-2.3	27.9	47.0	19.1	117.0	285.0	
11	994.059	V	29.9	-1.5	28.4	49.5	21.1	156.0	149.0	
12	995.878	H	30.0	-1.4	28.6	49.5	20.9	400.0	50.0	

※ 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 : 2026-05-19

● Test Mode : Mode 2_FCC



Final Result

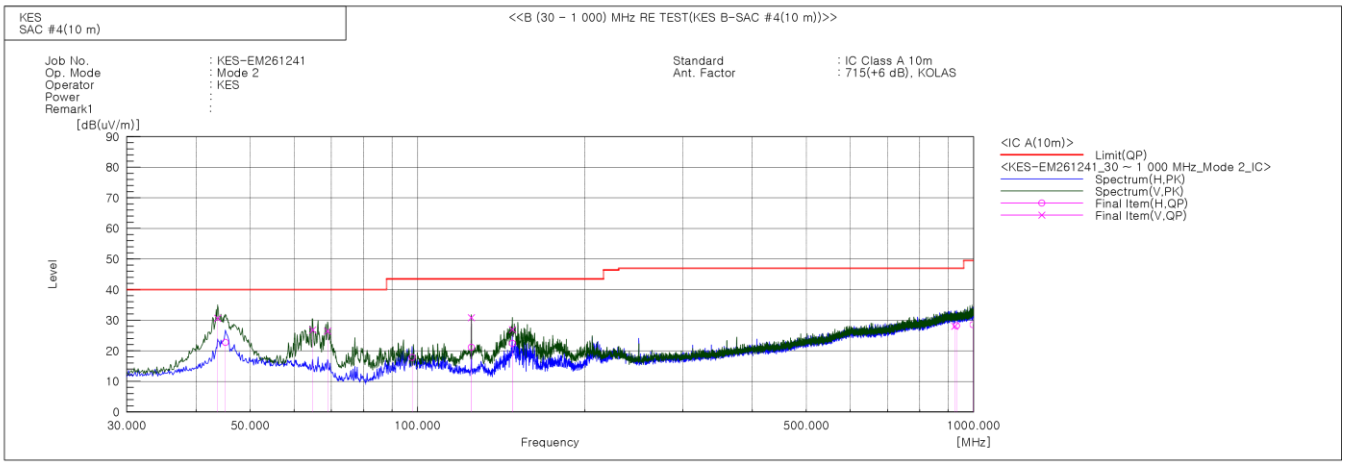
No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	43.701	V	52.2	-21.6	30.6	39.0	8.4	131.0	293.0	
2	45.156	H	44.1	-21.4	22.7	39.0	16.3	374.0	132.0	
3	64.799	V	50.1	-23.3	26.8	39.0	12.2	150.0	225.0	
4	68.921	V	50.8	-24.4	26.4	39.0	12.6	108.0	225.0	
5	97.779	H	40.3	-22.5	17.8	43.5	25.7	385.0	349.0	
6	124.939	V	54.9	-24.1	30.8	43.5	12.7	127.0	218.0	
7	124.939	H	45.2	-24.1	21.1	43.5	22.4	367.0	46.0	
8	148.098	H	47.5	-25.1	22.4	43.5	21.1	358.0	136.0	
9	148.098	V	52.0	-25.1	26.9	43.5	16.6	163.0	222.0	
10	925.068	V	30.3	-2.3	28.0	46.5	18.5	129.0	58.0	
11	931.494	H	30.5	-2.3	28.2	46.5	18.3	352.0	124.0	
12	996.726	H	29.9	-1.4	28.5	49.5	21.0	400.0	98.0	

※ 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 : 2026-05-19

● Test Mode : Mode 2_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	43.701	V	52.2	-21.6	30.6	40.0	9.4	131.0	293.0	
2	45.156	H	44.1	-21.4	22.7	40.0	17.3	374.0	132.0	
3	64.799	V	50.1	-23.3	26.8	40.0	13.2	150.0	225.0	
4	68.921	V	50.8	-24.4	26.4	40.0	13.6	108.0	225.0	
5	97.779	H	40.3	-22.5	17.8	43.5	25.7	385.0	349.0	
6	124.939	V	54.9	-24.1	30.8	43.5	12.7	127.0	218.0	
7	124.939	H	45.2	-24.1	21.1	43.5	22.4	367.0	46.0	
8	148.098	H	47.5	-25.1	22.4	43.5	21.1	358.0	136.0	
9	148.098	V	52.0	-25.1	26.9	43.5	16.6	163.0	222.0	
10	925.068	V	30.3	-2.3	28.0	47.0	19.0	129.0	58.0	
11	931.494	H	30.5	-2.3	28.2	47.0	18.8	352.0	124.0	
12	996.726	H	29.9	-1.4	28.5	49.5	21.0	400.0	98.0	

※ 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

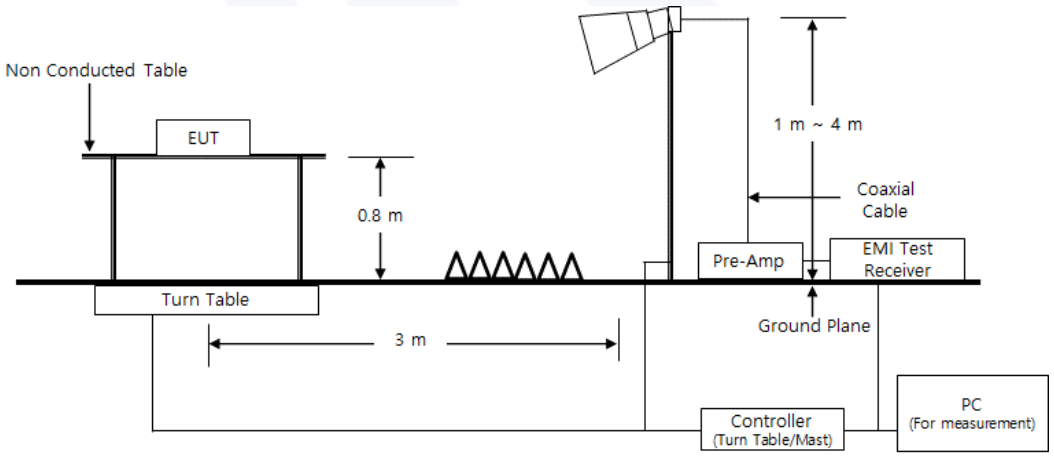
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SEMI ANECHOIC CHAMBER #5	-	SY Corporation	-	-	-	■
ES10/RE Software	ES10/RE	TOYO	2022.01.000	-	-	■
EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	2026-02-12	2027-02-12	■
PREAMPLIFIER	8449B	HP	3008A00538	2026-04-29	2027-04-29	■
HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1802	2025-11-05	2026-11-05	■
ATTENUATOR	8491B	HP	23094	2026-02-12	2027-02-12	■

6.3.2 Test Location : SEMI ANECHOIC CHAMBER #5

6.3.3 Test Conditions :

Temperature	Relative Humidity
(22.8 ~ 23.1) °C	(39.3 ~ 39.5) % R.H.

6.3.4 Diagram of test setup

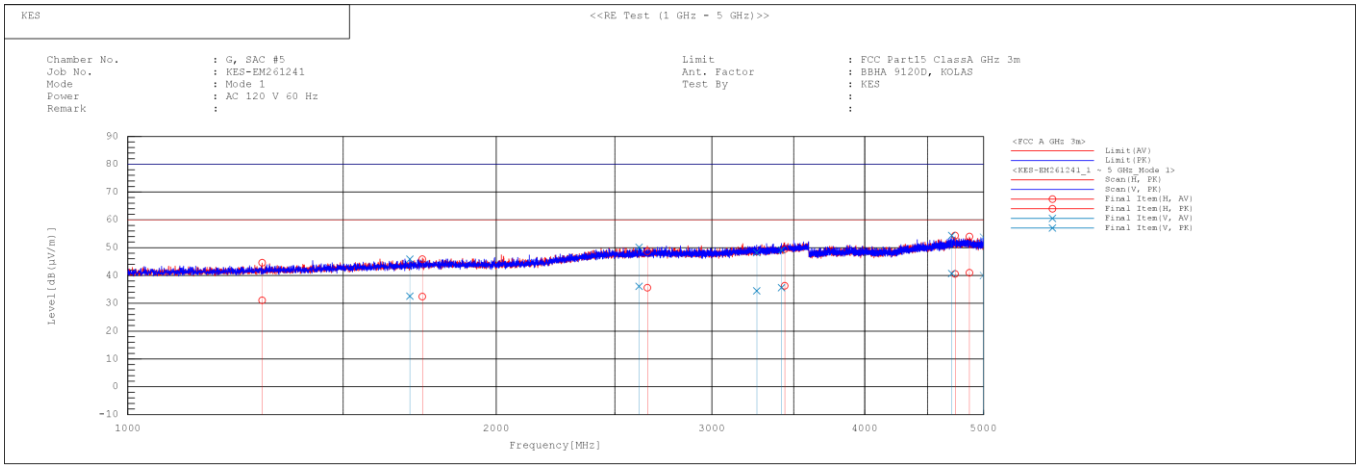


You can check the authenticity of this test report on the authenticity verification page on our website (www.kes.co.kr).

6.3.5 Test Result

○ Test Date : 2026-05-19

● Test Mode : Mode 1



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	1287.651	H	30.9	44.4	0.2	31.1	44.6	60.0	80.0	28.9	35.4	352.0	140.1	
2	1700.240	V	30.4	43.7	2.2	32.6	45.9	60.0	80.0	27.4	34.1	115.0	14.4	
3	1740.575	H	30.0	43.5	2.4	32.4	45.9	60.0	80.0	27.6	34.1	298.0	79.0	
4	2616.643	V	30.4	44.4	5.7	36.1	50.1	60.0	80.0	23.9	29.9	128.0	55.1	
5	2657.600	H	42.8	29.7	5.9	48.7	35.6	60.0	80.0	11.3	44.4	320.0	16.1	
6	3264.819	V	27.3	41.0	7.2	34.5	48.2	60.0	80.0	25.5	31.8	100.0	1.0	
7	3420.149	V	28.2	41.7	7.4	35.6	49.1	60.0	80.0	24.4	30.9	109.0	151.2	
8	3440.473	H	28.8	42.0	7.5	36.3	49.5	60.0	80.0	23.7	30.5	400.0	218.5	
9	4710.287	V	28.8	42.5	11.9	40.7	54.4	60.0	80.0	19.3	25.6	146.0	203.2	
10	4740.562	H	28.6	42.4	12.0	40.6	54.4	60.0	80.0	19.4	25.6	387.0	152.9	
11	4868.728	H	28.5	41.5	12.5	41.0	54.0	60.0	80.0	19.0	26.0	367.0	107.4	
12	4998.350	V	27.0	40.8	13.0	40.0	53.8	60.0	80.0	20.0	26.2	100.0	247.3	

※ 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 : 2026-05-19

● Test Mode : Mode 1

(5 ~ 11) GHz

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)
5 730.600	40.800	V	1.000	32.910	8.750	33.750	48.710	80.000	31.290
7 832.700	41.500	H	1.000	36.600	10.930	33.800	55.230	80.000	24.770

Cispr-AV

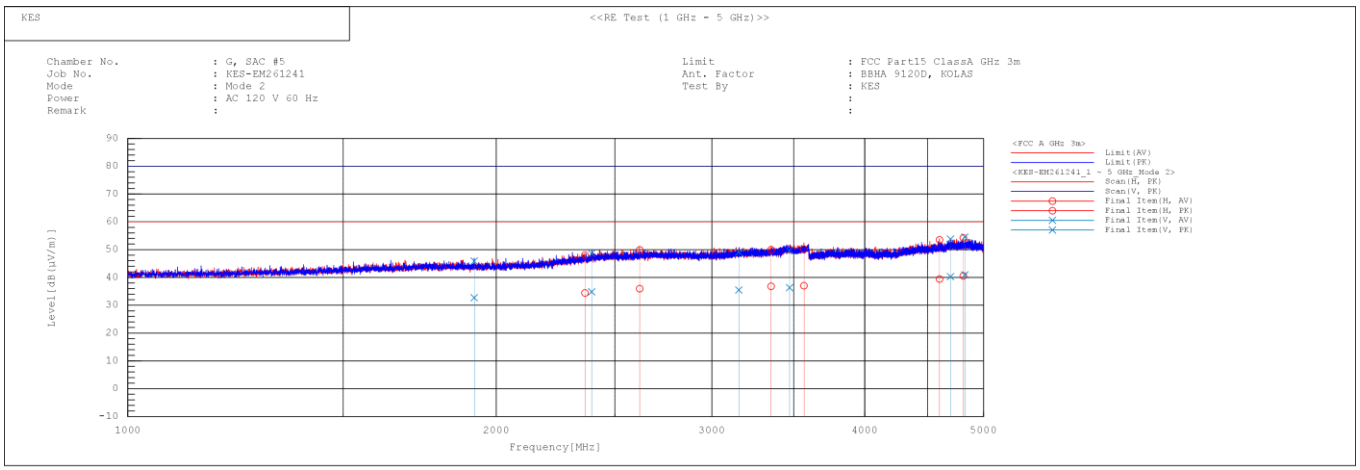
Frequency (MHz)	Reading CISPR AV (dBuV)	Polarization	Height (m)	ANT Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
5 730.600	27.600	V	1.000	32.910	8.750	33.750	35.510	60.000	24.490
7 832.700	28.000	H	1.000	36.600	10.930	33.800	41.730	60.000	18.270

※ No spurious emission were detected above 11 GHz

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

○ Test Date : 2026-05-19

● Test Mode : Mode 2



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	1919.208	V	29.7	42.9	3.0	32.7	45.9	60.0	80.0	27.3	34.1	100.0	328.5	
2	2363.630	H	29.3	43.0	5.1	34.4	48.1	60.0	80.0	25.6	31.9	320.0	292.3	
3	2393.465	V	29.5	43.3	5.3	34.8	48.6	60.0	80.0	25.2	31.4	107.0	1.0	
4	2618.815	H	30.3	44.2	5.7	36.0	49.9	60.0	80.0	24.0	30.1	391.0	265.0	
5	3156.544	V	28.4	42.0	7.1	35.5	49.1	60.0	80.0	24.5	30.9	142.0	359.5	
6	3353.357	H	29.4	42.6	7.4	36.8	50.0	60.0	80.0	23.2	30.0	343.0	292.3	
7	3472.724	V	28.8	42.1	7.5	36.3	49.6	60.0	80.0	23.7	30.4	135.0	51.0	
8	3567.103	H	29.4	42.6	7.6	37.0	50.2	60.0	80.0	23.0	29.8	382.0	59.2	
9	4603.184	H	27.9	42.0	11.5	39.4	53.5	60.0	80.0	20.6	26.5	376.0	353.2	
10	4698.960	V	28.5	42.0	11.8	40.3	53.8	60.0	80.0	19.7	26.2	114.0	120.6	
11	4813.262	H	28.4	42.0	12.2	40.6	54.2	60.0	80.0	19.4	25.8	354.0	305.6	
12	4828.691	V	28.6	42.2	12.3	40.9	54.5	60.0	80.0	19.1	25.5	166.0	159.2	

※ 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 : 2026-05-19

● Test Mode : Mode 2

(5 ~ 11) GHz

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)
5 522.600	40.200	V	1.000	32.000	8.950	33.990	47.160	80.000	32.840
7 856.100	41.900	H	1.000	36.610	10.940	33.860	55.590	80.000	24.410

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)
5 522.600	27.000	V	1.000	32.000	8.950	33.990	33.960	60.000	26.040
7 856.100	28.100	H	1.000	36.610	10.940	33.860	41.790	60.000	18.210

※ No spurious emission were detected above 11 GHz

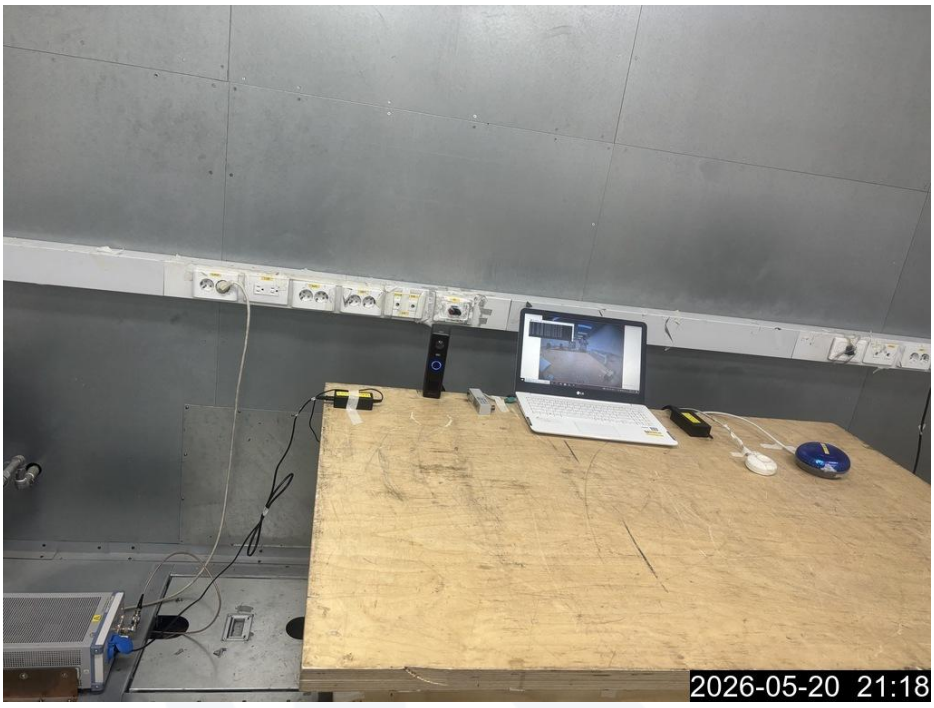
6.3.6 Remark

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

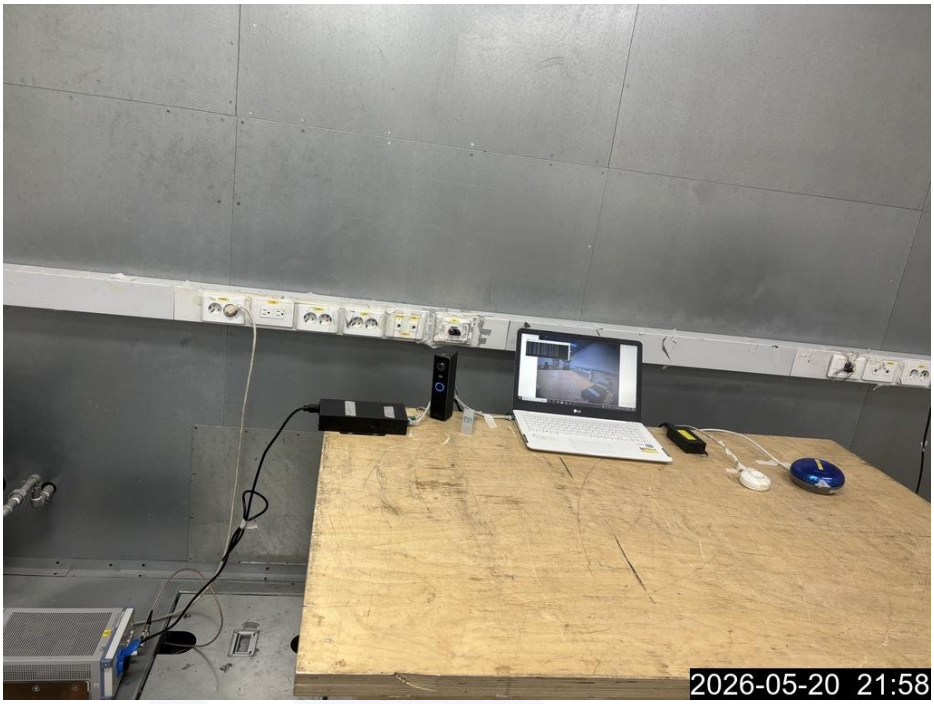


<Conducted Emissions at Mains Power Ports - Front> Mode 1



<Conducted Emissions at Mains Power Ports - Rear> Mode 1

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

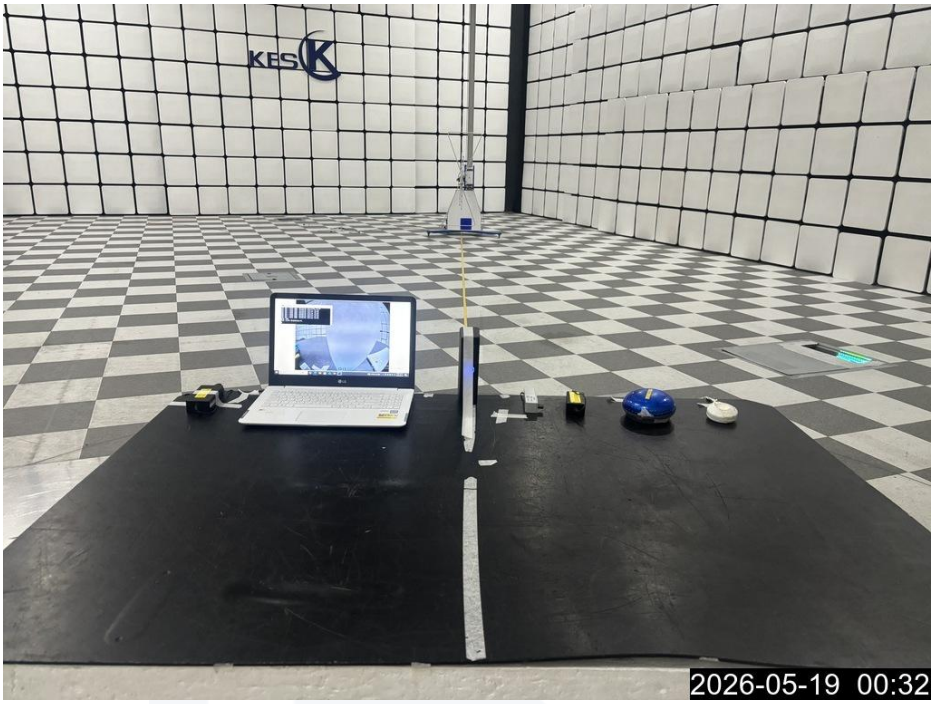


<Conducted Emissions at Mains Power Ports - Front> Mode 2

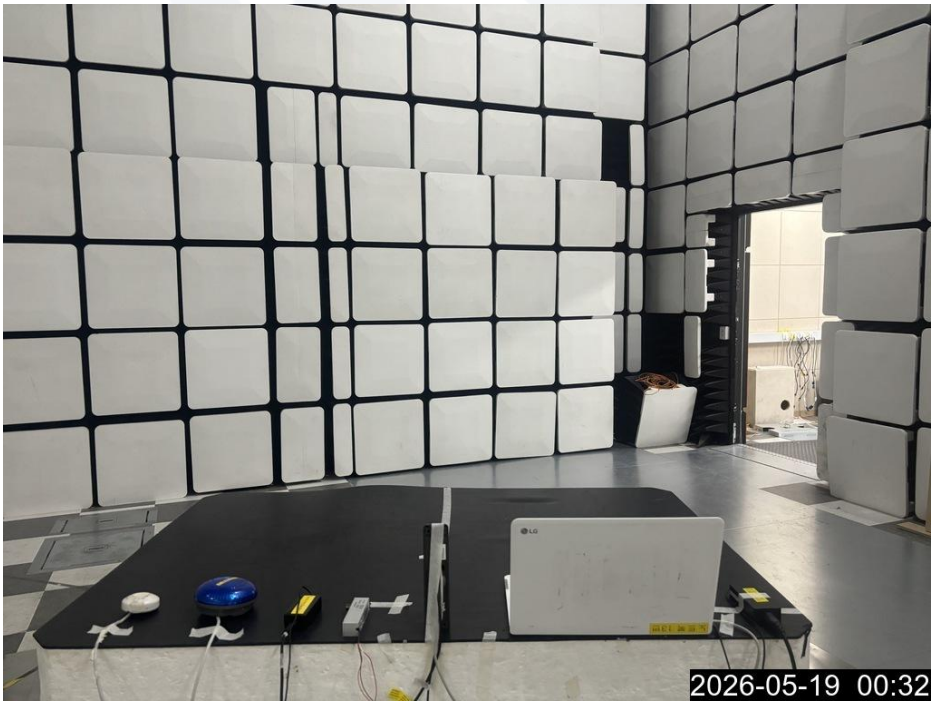


<Conducted Emissions at Mains Power Ports - Rear> Mode 2

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

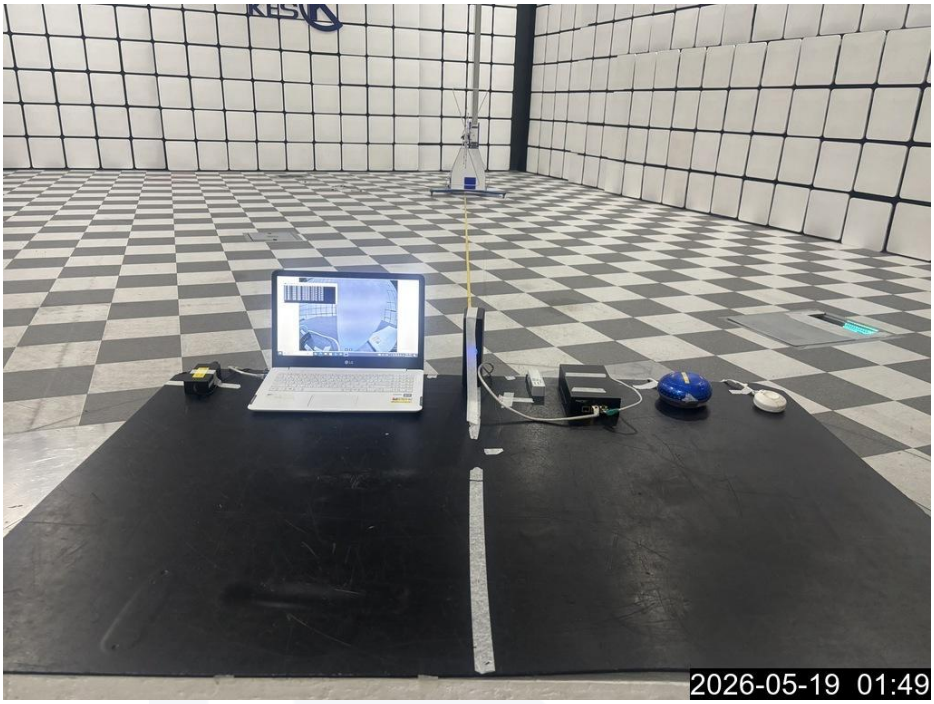


<Radiated Emissions(Below 1 ㎓) - Front> Mode 1



<Radiated Emissions(Below 1 ㎓) - Rear> Mode 1

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

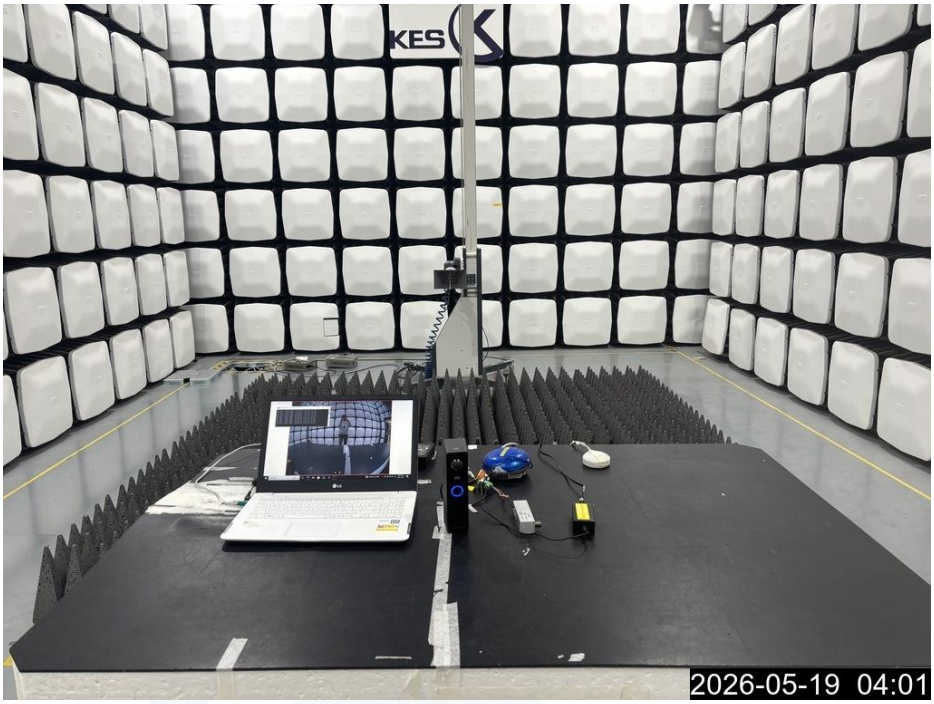


<Radiated Emissions(Below 1 ㎓) - Front> Mode 2

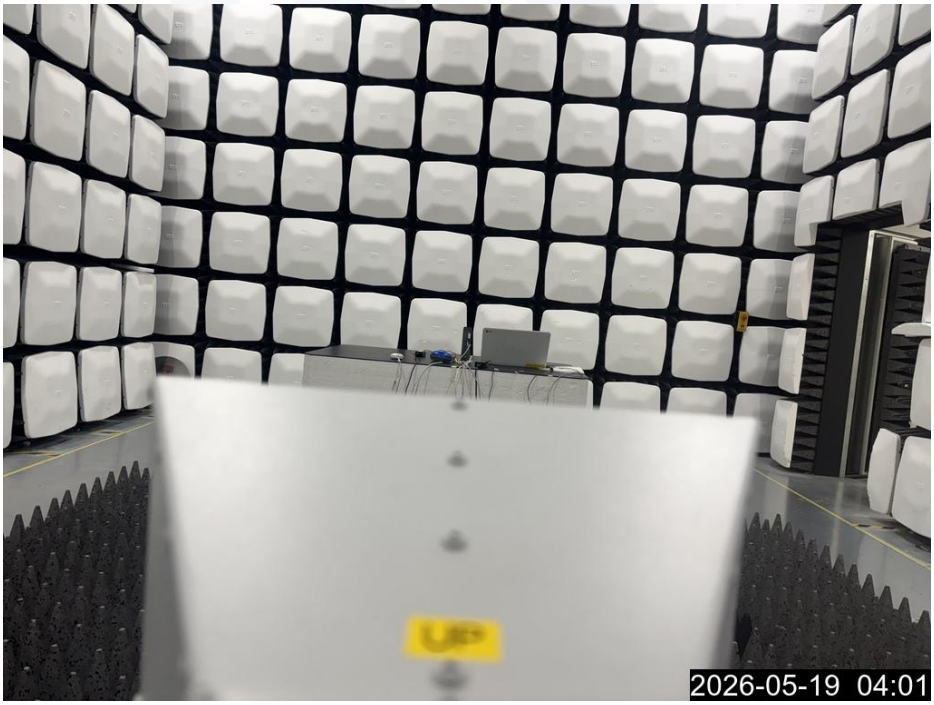


<Radiated Emissions(Below 1 ㎓) - Rear> Mode 2

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

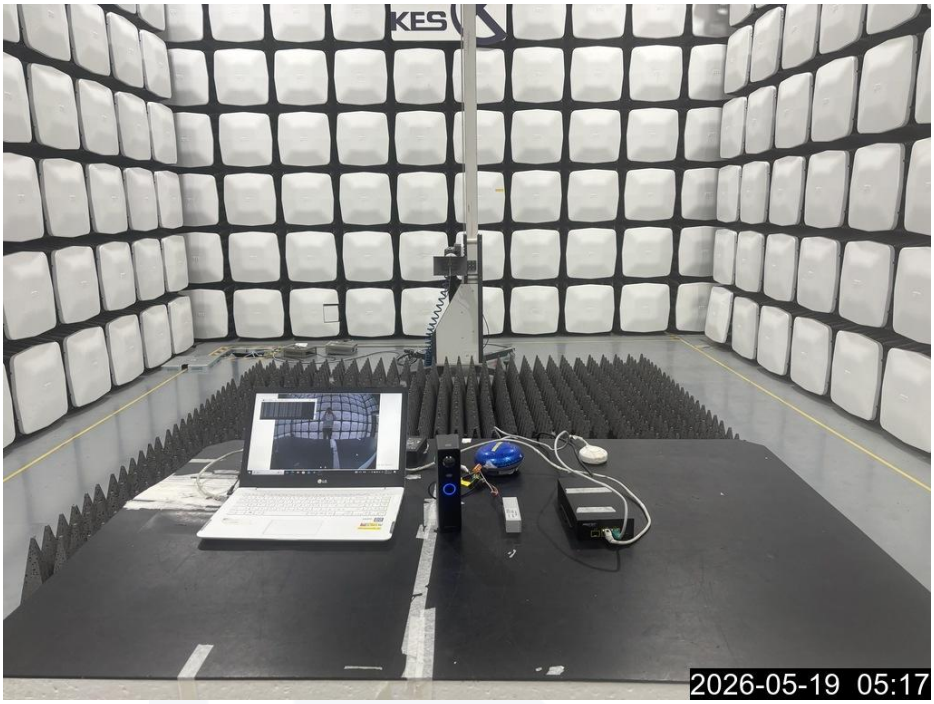


<Radiated Emissions(Above 1 ㎓) - Front> Mode 1

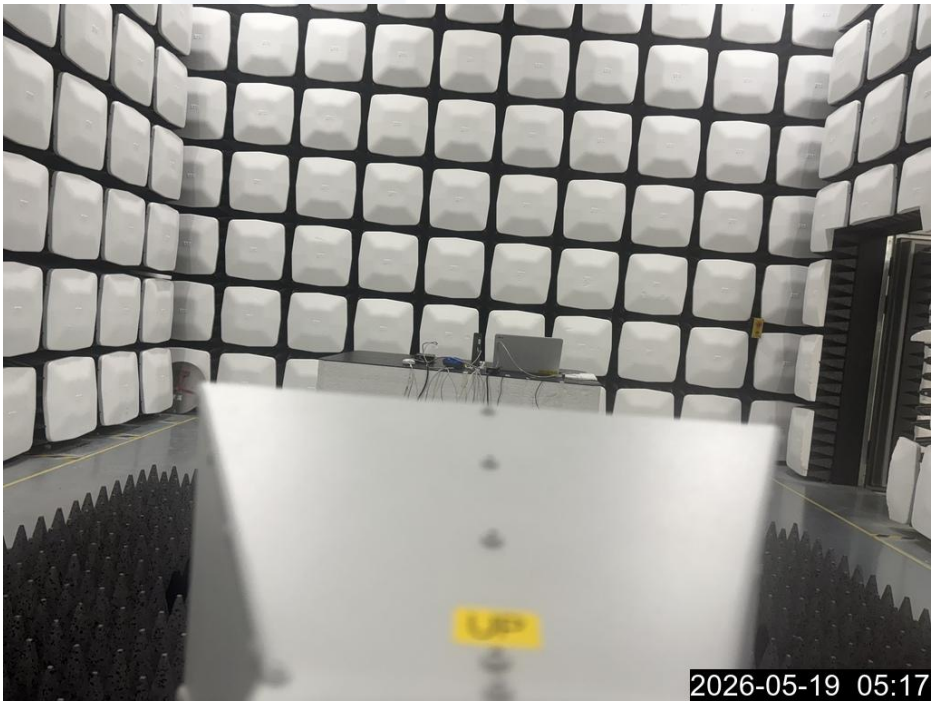


<Radiated Emissions(Above 1 ㎓) - Rear> Mode 1

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> Mode 2



<Radiated Emissions(Above 1 ㎓) - Rear> Mode 2

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>

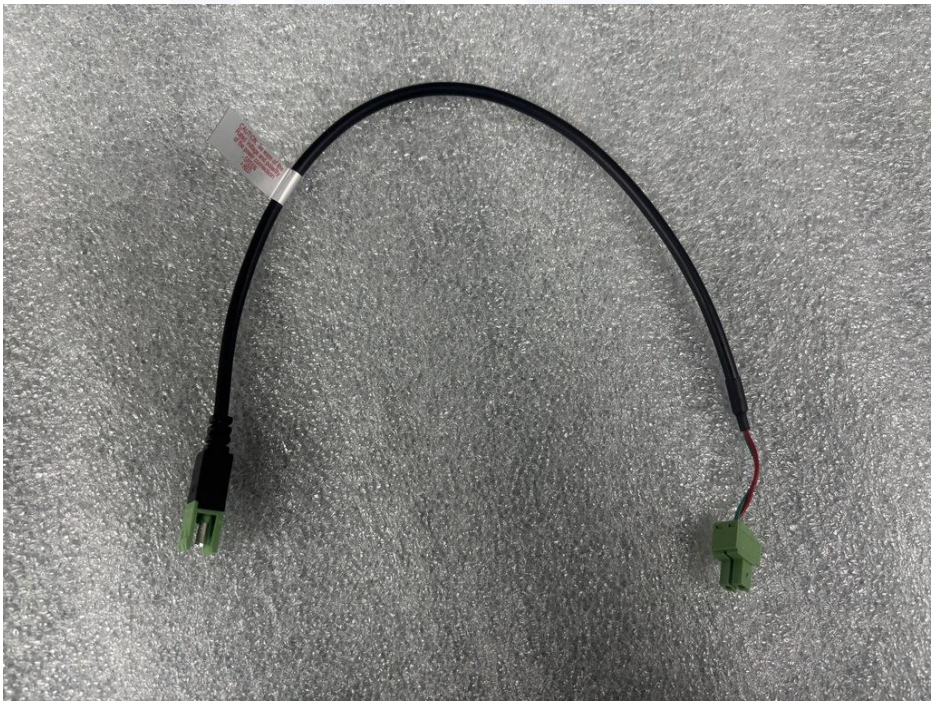


<EUT External Photographs - Bottom>

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



<Components-1>



<Components-2>

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

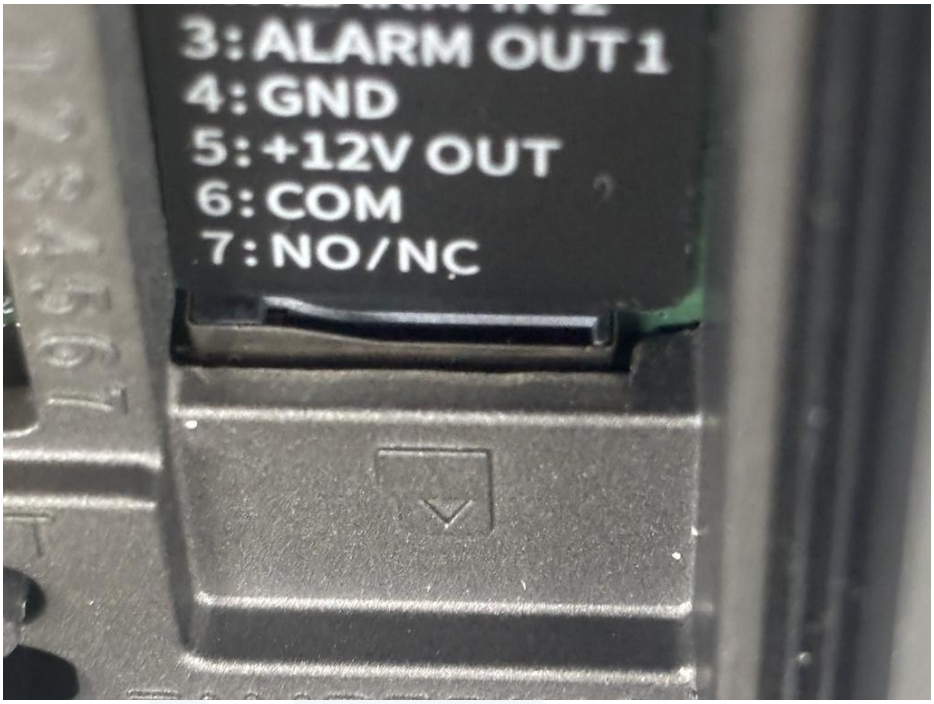


<Port-1>



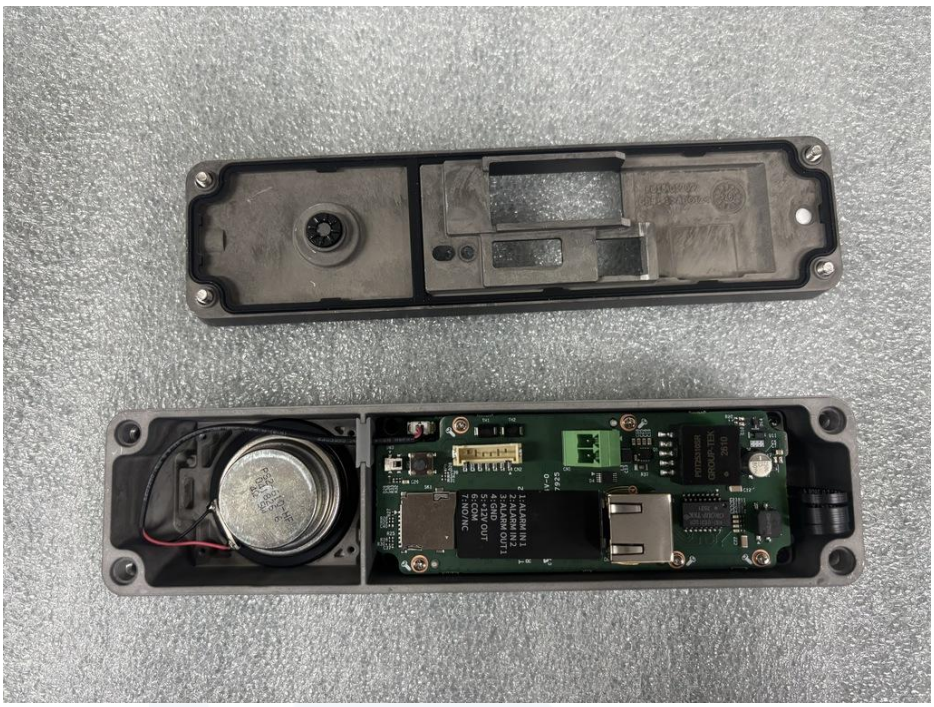
<Port-2>

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



<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 INTERCOM
	Model name	: TID-A800
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).