



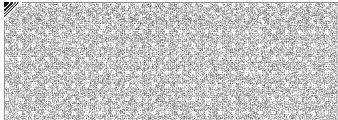
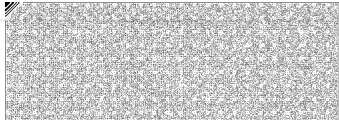
시험 성적서
TEST REPORT

페이지(page) : (1) / (총(Total) 26)



성적서 번호 Report No.		ICRT-TR-E243517-0B	
신청자 Client	기관명 Name	KOROT Co., Ltd.	
	주 소 Address	5F, 54, 2-gil, Nonhyun-ro, Gangnam-gu Seoul South Korea 06313	
시험대상품목 Sample description		Blood Pressure Monitor	
모델명 Type designation		KOROT P3 Accurate	
정 격 Ratings		DC 12 V (Adapter Power), DC 7.2 V(Battery)	
시험장소 Place of test		☒ 고정시험실(Permanent Testing Lab) ☐ 현장시험(On Site Testing) 주소지(Address): 112, Hwanggeum3-ro 7beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea	
시험기간 Date of test		2024. 12. 04	
시험방법/항목 Test Method/Item		FCC 47 CFR Part 15, Subpart B / Other Class B digital devices & peripherals	
시험결과 Test Results		Refer to summary of test results	
확 인 Affirmation	작성자 Tested by	기술책임자 Technical Manager	
	성 명 Name	오성빈 (서명) Oh, Sung bin(Signature)	성 명 Name
☐ 위 성적서는 고객이 제공한 시료에 대한 시험결과입니다. This is certified that the above mentioned products have been tested for the sample. ☐ 위 성적서는 KS Q ISO/IEC 17025 및 한국인정기구(KOLAS)인정과 관련이 없습니다. The above test report is not related to accreditation by KS Q ISO/IEC 17025 and Korea Laboratory Accreditation scheme. ☐ 위 성적서는 주식회사 아이씨알의 승인 없이는 일부 복제에 대해 금지됩니다. The test report is prohibited for some reproduction without the approval of the ICR.			
2024. 12. 27 주식회사 아이씨알 대표이사 The head of INTERNATIONAL CERTIFICATION REGISTRAR			

본 성적서의 진위 확인은 G4B 혹은 ICR 홈페이지에서 가능합니다.
The authenticity of the test report can be checked on the G4B or ICR website.
경기도 김포시 양촌읍 황금 3로 7 번길 112 / Tel: 02-6351-9001 ~ 6





페이지(page) : (2)/(총(Total) 26)

Contents

1. Applicant Information.....	3
1.1 Applicant	3
1.2 Manufacture	3
2. Laboratory.....	3
2.1 Information.....	3
3. Revision History	3
4. EUT 4	
4.1 Used equipment.....	4
4.2 Test Configuration	4
4.3 Cable List.....	5
4.4 Mode of Operating during the test	5
4.5 Family Model Name	5
4.6 EUT Modifications	5
5. Summary of test result	6
5.1 Test Summary.....	6
6. Test Description	7
6.1 Facility	7
6.2 Test Procedure	7
7. EMISSION	9
7.1 Radiated emission.....	9
7.2 Conducted emission.....	16
Attachment I.....	19





페이지(page) : (3)/(총(Total) 26)

1. Applicant Information

1.1 Applicant

Applicant : KOROT Co., Ltd.
Address : 5F, 54, 2-gil, Nonhyun-ro, Gangnam-gu Seoul South Korea 06313

1.2 Manufacture

Manufacture : KOROT Co., Ltd.
Address : 5F, 54, 2-gil, Nonhyun-ro, Gangnam-gu Seoul South Korea 06313

2. Laboratory

2.1 Information

Laboratory : ICR Co., Ltd
Address : 112, Hwanggeum3-ro 7beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
Telephone No. : +82-2-6351-9001
Facsimile No. : +82-2-6351-9007

KOLAS No. : KT652
RRA No. : KR0165

3. Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E243517-0A	2024. 12. 17	First issue.	-
ICRT-TR-E243517-0B	2024. 12. 27	Applicant Address Change and Addition of FCC ID	Page 1, 3, 4





페이지(page) : (4)/ 총(Total) 26)

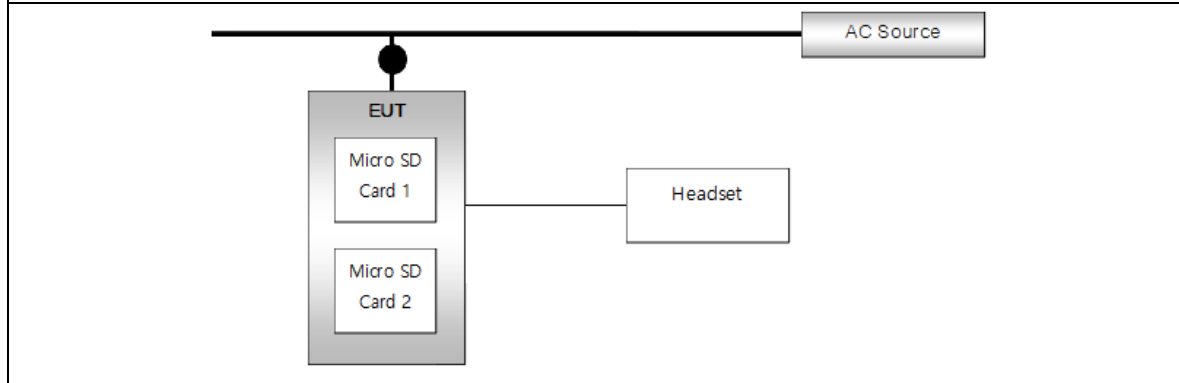
4. EUT

4.1 Used equipment

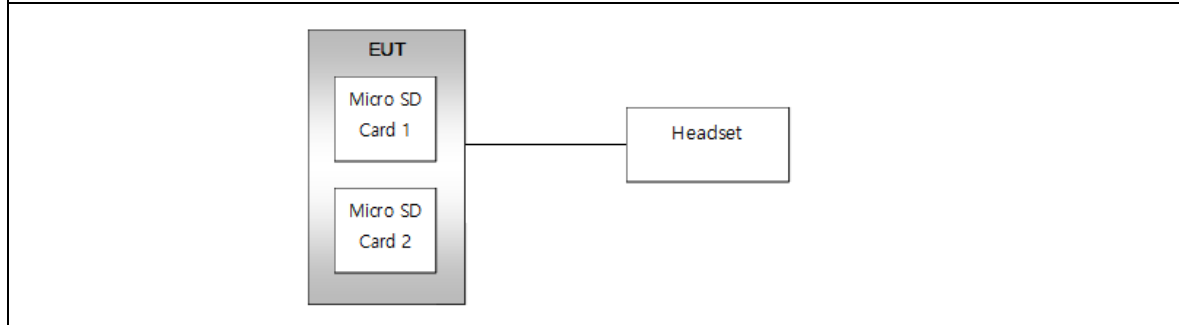
Description	Model	Serial No.	Manufacturer	Comments
Blood Pressure Monitor	KOROT P3 Accurate	-	KOROT Co., Ltd.	EUT
Adapter	GSM40A12	-	Suzhou Mean Well Technology Co., Ltd.	AE
Micro SD Card 1	-	-	SanDisk	AE
Micro SD Card 2	-	-	SanDisk	AE
Headset	-	-	SONY	AE

4.2 Test Configuration

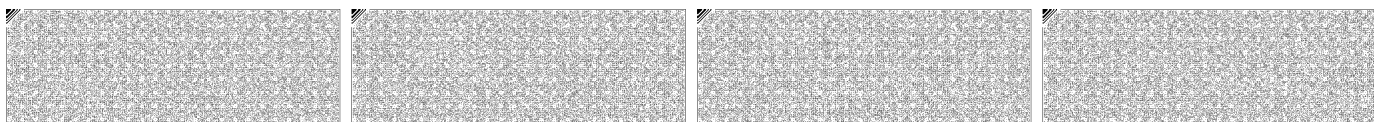
[MODE 1]



[MODE 2]



—— : Signal line ——— : Power line △ : GROUND ● : Adapter





페이지(page) : (5)/ (총(Total) 26)

4.3 Cable List

Equipment	Port	Equipment	Port	Length (m)	Shielded
EUT (MODE 1)	DC In	Adapter	DC Out	1.2	Unshielded
	AUX	Headset	Audio In	1.8	Unshielded
	Micro SD Card Slot 1	Micro SD Card	-	Direct	-
	Micro SD Card Slot 2	Micro SD Card	-	Direct	-
EUT (MODE 2)	AUX	Headset	Audio In	1.8	Unshielded
	Micro SD Card Slot 1	Micro SD Card	-	Direct	-
	Micro SD Card Slot 2	Micro SD Card	-	Direct	-

4.4 Mode of Operating during the test

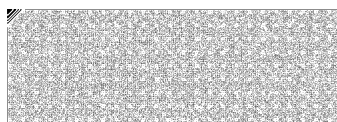
Mode	Operating Description
1	It is powered by the adapter and continues the blood pressure measurement function on the EUT It is operated and tested by outputting the blood pressure measurement sound pressure through the headset.
2	It is powered by a built-in battery and provides a blood pressure measurement function in the EUT It is continuously operated and tested by outputting the blood pressure measurement sound pressure through the headset.

4.5 Family Model Name

- None

4.6 EUT Modifications

- None





페이지(page) : (6)/(총(Total) 26)

5. Summary of test result

5.1 Test Summary

Standard	Test items	Applied	Results
FCC Part 15.109	Radiated emission	☒	Pass
FCC Part 15.107	Conducted emission	☒	Pass

* The data in this test report are traceable to the national or international standards.

Frequency range to be scanned:

0.15 MHz to 30 MHz as Conducted measurement

5th harmonic of the highest frequency or 40 GHz, whichever is lower as Radiated measurement

Bandwidth:

Measured by the CISPR quasi-peak function Bandwidth is 9 kHz in the frequency 0.15 MHz ~ 30 MHz and 120 kHz in the frequency 30 MHz ~ 1 000 MHz.

Measured by the CISPR Peak function Bandwidth is 1 MHz in the frequency 1 GHz ~ 40 GHz.

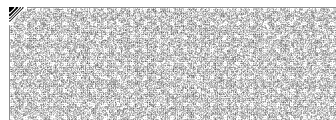
The EUT is powered by a vehicle battery, and the conduction disturbance test is excluded.

- FCC ID : 2BAK8-P3ACCURATE

- Contains FCC ID : 2A5XQ-POT-NR232P

- Maximum operating frequency: 2.4 GHz

- EUT USB port is an administrator port for firmware updates and is therefore excluded from the test.





6. Test Description

6.1 Facility

All the testing facilities are periodically serviced as a daily check for equipment and cables systems, an every 6 months facility check for the facilities and a monthly check and annual calibration for testing equipment according to ISO/IEC 17025. All the testing facilities are used as the same specifications shown below. There are descriptions both for radiated disturbance measurement and conducted disturbance measurement conformed by ANSI C 63.4-2014.

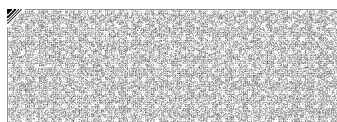
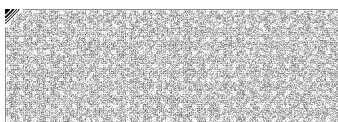
6.2 Test Procedure

6.2.1 Radiated Disturbance Measurements – Below 1 GHz

- Test site is met the requirements of ANSI C 63.4-2014 and the distance between the EUT and the antenna is adjusted 3 m/10 m.
- The turntable can be rotated 360 degrees.
- The antenna can be adjusted between 1 m and 4 m in height above the ground.
- The EUT is placed on the non-conducting table with 0.8 m height on the turntable.
- Measurements are carried out using a EMI test receiver with peak detectors (100 kHz bandwidth) and an EMI receiver with quasi-peak detectors(120 kHz bandwidth).
- Refer to the list of test equipment used for the test.
- Trilog antenna are used as Broadband antenna.
- The Trilog antenna is used in the frequency range of 30 ~ 1 000MHz, the Horn antenna is used in the frequency range of 1 GHz ~ 18 GHz.
- A variable attenuator is used for verifying amplifier's linearity.
- Rotating the turntable and adjusting the height of the antenna are carried out by control buttons on the console.
- Refer to "Brief Information"(page 4-5) about details of the EUT and configuration of the cables.
- Measurement is carried out by a ICR operator as manual operation.
- searching for some of High disturbance frequency points than the other points with the following settings;
bandwidth 100 kHz, frequency range 10 MHz between 30 MHz and 300 MHz and frequency range 50 MHz between 300 MHz and 1 GHz.
- searching the worst direction with the maximum level of the disturbance wave in rotating the turntable 360 degrees at each searched frequency point.
- setting the height of the antenna with the maximum level of the disturbance wave from 1 m ~ 4 m.
- reading the disturbance level by the EMI receiver with quasi-peak detectors (120 kHz bandwidth) according to ANSI C 63.4-2014.
- measuring to vertical and horizontal polarization.
- calculating the measurement result with the following formula or equation:
[Measurement result= measured value + Antenna factor + Cable loss - (Amp.)]

6.2.2 Radiated Disturbance Measurements – Above 1 GHz

- Test site is met the requirements of ANSI C 63.4-2014 and the distance between the EUT and the antenna is adjusted 3 m.
- The turntable can be rotated 360 degrees.
- The antenna can be adjusted between 1 m in height above the ground.
- The EUT is placed on the non-conducting table with 1 m height on the turntable.
- Measurements are carried out using a EMI test receiver with peak detectors (1 MHz bandwidth) and an EMI receiver with peak and average detectors(1 MHz bandwidth).
- Refer to the list of test equipment used for the test.
- HORN ANTENNA are used as WIDEBAND ANTENNA.
- The HORN ANTENNA is used in the frequency range of 1 GHz ~ 18 GHz.
- A variable attenuator is used for verifying amplifier's linearity.
- Rotating the turntable and adjusting the height of the antenna are carried out by control buttons on the console.
- Refer to "Brief Information"(page 4-5) about details of the EUT and configuration of the cables.





- Measurement is carried out by a ICR operator as manual operation.
- searching the worst direction with the maximum level of the disturbance wave in rotating the turntable 360 degrees at each searched frequency point.– setting the height of the antenna with the maximum level of the disturbance wave from 1 m
- reading the disturbance level by the EMI receiver with peak and average detectors (1 MHz bandwidth) according to ANSI C 63.4-2014.
- measuring to vertical and horizontal polarization.
- calculating the measurement result with the following formula or equation:
[Measurement result= measured value + Antenna factor + Cable loss - (Amp.)]

6.2.3 Conducted Disturbance Measurements

- The measurement is carried out on an open site with horizontal and metallic ground plane.
- An AMN(Artificial Mains Network) with a nominal impedance (50 Ω/50 μH) as defined in ANSI C 63.4-2014., shall be utilized.
- The AMN is grounded on a horizontal metal ground plane.
- Measurement is carried out using an EMI receiver with quasi-peak detectors and average detector. (Refer to the List of test equipment used for the test.)
- The shortest distance between the EUT and the AMN is 0.8 m.
- The EUT is placed on the non-conducting table with 0.8 m height.
- A remote switch is used for changing phases between Line (L) and Neutral (N).
- Refer to "Brief Information"(page 4-5) about details of the EUT and configuration of the cables.
- Measurement is carried out as manual operation.
- detecting the maximized emission level using the maxhold function after setting the spectrum analyzer bandwidth 1 kHz and the frequency range from 150 kHz ~ 1 MHz, 1 MHz ~ 5 MHz and 5 MHz ~ 30 MHz.
- searching the maximum frequency point of the disturbance wave in each frequency range.
- reading the disturbance level of quasi-peak, average and Line (L) and Neutral (N) in 9 kHz bandwidth by the EMI receiver.
- calculating the measurement result with the following formula or equation.
(Result = Reading + Corr)
(Margin = Limit - Result)





7. EMISSION

7.1 Radiated emission

Definition:

The test assesses the ability of ancillary equipment to limit their internal noise from being radiated from the enclosure.

Test environment:

Test method : FCC Part 15.109

[Below 1 GHz]

Test Date : 2024. 12. 04
 Temperature, Humidity : 24 °C, 45 % R.H.
 Measurement Distance : 3 m
 Measurement RBW : 120 kHz
 Measurement Frequency range : 30 MHz ~ 1 GHz

[Above 1 GHz]

Test Date : 2024. 12. 04
 Temperature, Humidity : 24 °C, 45 % R.H.
 Measurement Distance : 3 m
 Measurement RBW : 120 kHz
 Measurement Frequency range : 1 000 kHz

Test mode : MODE 1, 2 (refer to 4.4)

U_t : AC 120 V, 60 Hz (MODE 1), DC 7.2 V (MODE 2)

Result : Pass

A sample calculation:

- Corr (correction factor) = Ant. Factor + Cable loss – (Amp.)

- Emission Level = meter reading + Corr

- Sample calculation ; Below 1 GHz (Quasi-Peak) : MODE 1

At Frequency : 504.039 000 MHz Result = Reading + Corr = 50.58 dB(μV/m) + (-16.50) dB = 34.08 dB(μV/m)

- Sample calculation ; Above 1 GHz (MaxPeak) : MODE 2

At Frequency : 15 858.000 MHz Result = Reading + Corr = 25.41 dB(μV/m) + (12.56) dB = 37.97 dB(μV/m)

- Measurement Data kept in ICR





페이지(page) : (10)/(총(Total) 26)

Limits of below 1 GHz - CLASS A

Frequency Range (MHz)	Field strength ($\mu\text{V/m}$)	Distance (m)
30 ~ 88	90	10
88 ~ 216	150	
216 ~ 960	210	
Above 960	300	

Limits of below 1 GHz - CLASS B

Frequency Range (MHz)	Field strength ($\mu\text{V/m}$)	Distance (m)
30 ~ 88	100	3
88 ~ 216	150	
216 ~ 960	200	
Above 960	500	

Used equipments:**[Below 1 GHz]**

Used	Equipment	Model name	Manufacturer	Serial No.	Next Cal.
☒	EMI Test Receiver	ESR26	R&S	101461	2025. 03. 28
☒	TRILOG BROAD BAND ANTENNA	VULB 9162	SCHWARZBECK	120	2024. 12. 26
☒	RF Pre Amplifier	SCU 08	R&S	100746	2025. 03. 28
☒	HUMIDITY/TEMP. DATA RECORDER	MHT-381SD	LUTRON	AI.63107	2025. 01. 13

[Above 1 GHz]

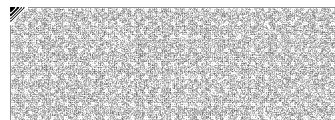
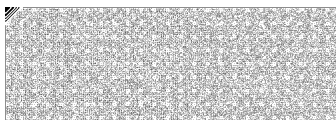
Used	Equipment	Model name	Manufacturer	Serial No.	Next Cal.
☒	EMI Test Receiver	ESR26	R&S	101462	2025. 03. 28
☒	HORN ANTENNA	HF907	R&S	102869	2025. 04. 04
☒	RF Pre Amplifier	SCU18	R&S	102342	2025. 03. 28
☒	HUMIDITY/TEMP. DATA RECORDER	MHT-381SD	LUTRON	AI.63106	2025. 01. 13

Test Software:

Used	Description	Model name	Manufacturer	Version.
☒	EMI Test Software	EMC32	R & S	10.01.00

Measurement Data:

- Refer to the Next page.



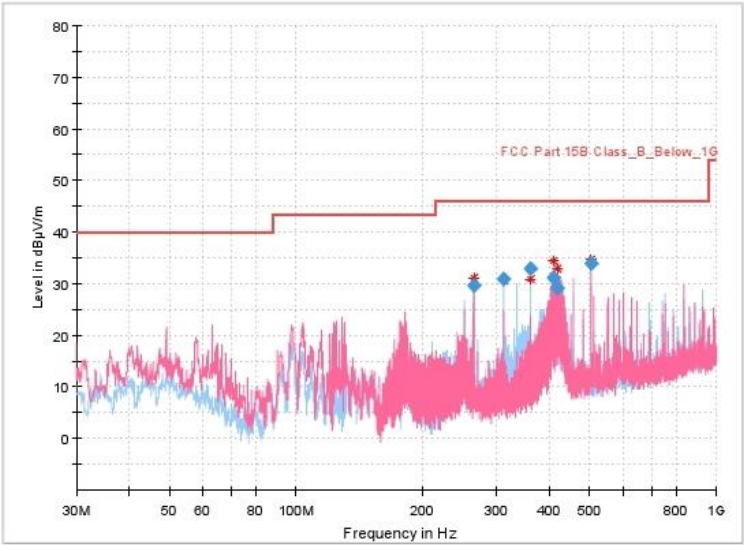


DATA 1 GHz Below (MODE 1)

Test Report

Common Information

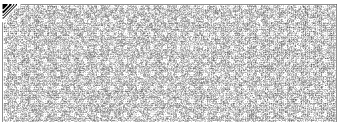
Test Description: 2024-5506
Operating Conditions: ICR 3 m Chamber
Operator Name: OSB
Comment: RE_MODE 1



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
263.964000	29.81	46.00	16.19	1000.0	120.000	200.0	H	181.0	-22.6
311.979000	30.86	46.00	15.14	1000.0	120.000	200.0	H	314.0	-21.4
359.994000	33.11	46.00	12.89	1000.0	120.000	300.0	H	32.0	-20.1
408.009000	31.27	46.00	14.73	1000.0	120.000	400.0	H	152.0	-18.4
420.037000	29.31	46.00	16.69	1000.0	120.000	400.0	H	152.0	-18.1
504.039000	34.08	46.00	11.92	1000.0	120.000	100.0	V	237.0	-16.5

2024-12-04



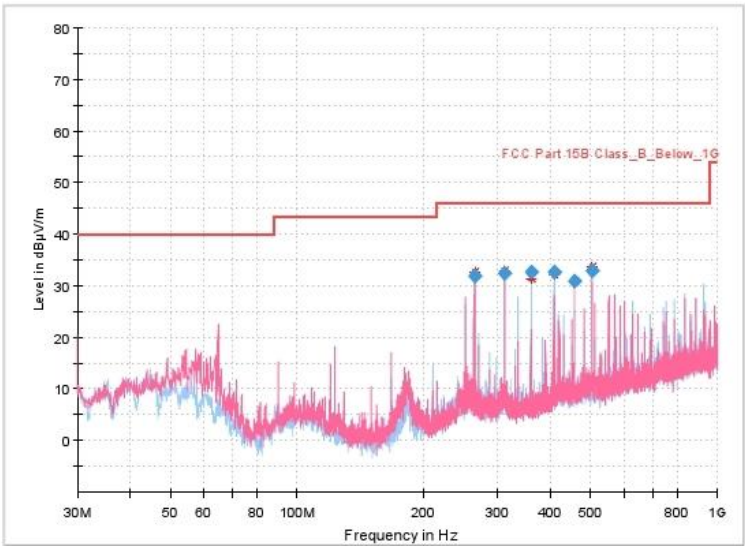


DATA 1 GHz Below (MODE 2)

Test Report

Common Information

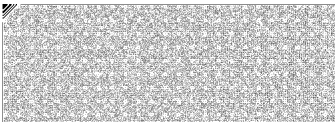
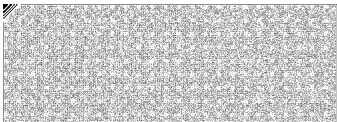
Test Description: 2024-5506
Operating Conditions: ICR 3 m Chamber
Operator Name: OSB
Comment: RE_MODE 2



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
263.964	32.03	46.00	13.97	1000.0	120.000	100.0	V	112.0	-22.57
311.979	32.44	46.00	13.56	1000.0	120.000	200.0	H	330.0	-21.38
359.994	32.62	46.00	13.38	1000.0	120.000	300.0	H	29.0	-20.15
408.009	32.66	46.00	13.34	1000.0	120.000	300.0	H	169.0	-18.36
456.024	30.98	46.00	15.02	1000.0	120.000	100.0	V	207.0	-17.81
504.039	32.97	46.00	13.03	1000.0	120.000	100.0	V	249.0	-16.51

2024-12-04



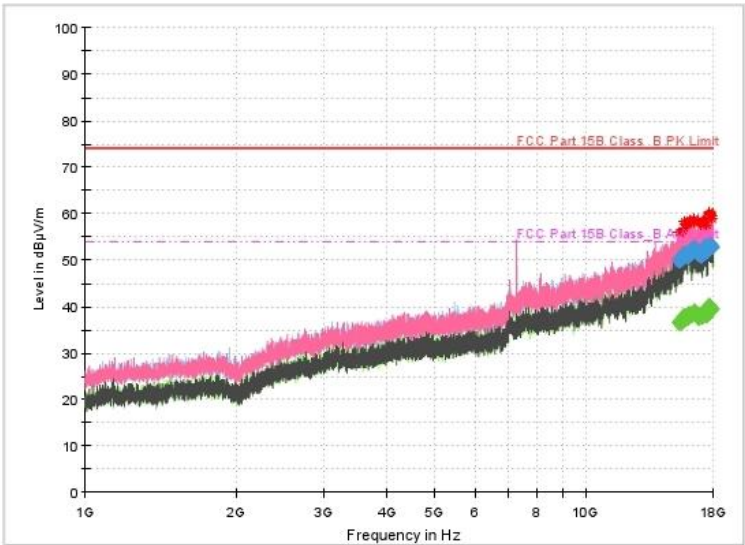


DATA 1 GHz Above (MODE 1)

Test Report

Common Information

Test Description: 2024-5506
Test Site: ICR 3 m Chamber
Operator Name: OSB
Comment: RE ABOVE_MODE 1



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
15328.800	---	36.57	54.00	17.43	7000.0	1000.000	100.0	V	355.0	12.22
15328.800	50.13	---	74.00	23.87	7000.0	1000.000	100.0	V	355.0	12.22
15394.800	49.75	---	74.00	24.25	7000.0	1000.000	100.0	H	262.0	12.12
15394.800	---	36.41	54.00	17.59	7000.0	1000.000	100.0	H	262.0	12.12
15571.200	50.19	---	74.00	23.81	7000.0	1000.000	100.0	V	0.0	12.30
15571.200	---	36.68	54.00	17.32	7000.0	1000.000	100.0	V	0.0	12.30
15662.400	---	37.57	54.00	16.43	7000.0	1000.000	100.0	V	293.0	12.07
15662.400	51.26	---	74.00	22.74	7000.0	1000.000	100.0	V	293.0	12.07
15745.200	51.39	---	74.00	22.61	7000.0	1000.000	100.0	H	0.0	11.80
15745.200	---	37.87	54.00	16.13	7000.0	1000.000	100.0	H	0.0	11.80
15830.400	51.21	---	74.00	22.79	7000.0	1000.000	100.0	V	326.0	12.34
15830.400	---	37.93	54.00	16.07	7000.0	1000.000	100.0	V	326.0	12.34
15924.000	---	37.76	54.00	16.24	7000.0	1000.000	100.0	V	355.0	12.69
15924.000	51.40	---	74.00	22.60	7000.0	1000.000	100.0	V	355.0	12.69
15976.800	50.55	---	74.00	23.45	7000.0	1000.000	100.0	V	196.0	12.61
15976.800	---	37.31	54.00	16.69	7000.0	1000.000	100.0	V	196.0	12.61
16116.000	---	38.45	54.00	15.55	7000.0	1000.000	100.0	V	0.0	12.45
16116.000	51.51	---	74.00	22.49	7000.0	1000.000	100.0	V	0.0	12.45
16171.200	---	38.24	54.00	15.76	7000.0	1000.000	100.0	V	293.0	12.57
16171.200	52.31	---	74.00	21.69	7000.0	1000.000	100.0	V	293.0	12.57

2024-12-04

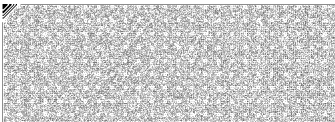
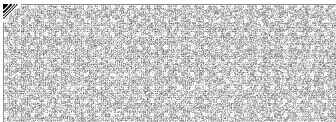




페이지(page) : (14)/(총(Total) 26)

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
16263.600	---	37.85	54.00	16.15	7000.0	1000.000	100.0	V	0.0	12.37
16263.600	51.74	---	74.00	22.26	7000.0	1000.000	100.0	V	0.0	12.37
16458.000	---	39.11	54.00	14.89	7000.0	1000.000	100.0	H	262.0	12.62
16458.000	52.66	---	74.00	21.34	7000.0	1000.000	100.0	H	262.0	12.62
16536.000	52.33	---	74.00	21.67	7000.0	1000.000	100.0	H	334.0	12.97
16536.000	---	38.73	54.00	15.27	7000.0	1000.000	100.0	H	334.0	12.97
16783.200	---	37.57	54.00	16.43	7000.0	1000.000	100.0	V	163.0	13.14
16783.200	51.03	---	74.00	22.97	7000.0	1000.000	100.0	V	163.0	13.14
16926.000	51.27	---	74.00	22.73	7000.0	1000.000	100.0	V	95.0	12.90
16926.000	---	38.18	54.00	15.82	7000.0	1000.000	100.0	V	95.0	12.90
16988.400	---	37.60	54.00	16.40	7000.0	1000.000	100.0	H	163.0	12.84
16988.400	50.81	---	74.00	23.19	7000.0	1000.000	100.0	H	163.0	12.84
17145.600	---	37.70	54.00	16.30	7000.0	1000.000	100.0	V	355.0	13.62
17145.600	51.09	---	74.00	22.91	7000.0	1000.000	100.0	V	355.0	13.62
17221.200	52.24	---	74.00	21.76	7000.0	1000.000	100.0	V	293.0	14.16
17221.200	---	38.59	54.00	15.41	7000.0	1000.000	100.0	V	293.0	14.16
17305.200	---	39.36	54.00	14.64	7000.0	1000.000	100.0	H	334.0	14.13
17305.200	53.05	---	74.00	20.95	7000.0	1000.000	100.0	H	334.0	14.13
17433.600	51.55	---	74.00	22.45	7000.0	1000.000	100.0	H	163.0	14.08
17433.600	---	38.01	54.00	15.99	7000.0	1000.000	100.0	H	163.0	14.08
17617.200	53.35	---	74.00	20.65	7000.0	1000.000	100.0	H	131.0	14.62
17617.200	---	40.07	54.00	13.93	7000.0	1000.000	100.0	H	131.0	14.62
17648.400	53.24	---	74.00	20.76	7000.0	1000.000	100.0	H	295.0	14.68
17648.400	---	40.24	54.00	13.76	7000.0	1000.000	100.0	H	295.0	14.68
17706.000	53.38	---	74.00	20.62	7000.0	1000.000	100.0	H	229.0	14.72
17706.000	---	40.15	54.00	13.85	7000.0	1000.000	100.0	H	229.0	14.72
17774.400	---	39.66	54.00	14.34	7000.0	1000.000	100.0	V	95.0	14.77
17774.400	53.31	---	74.00	20.69	7000.0	1000.000	100.0	V	95.0	14.77
17836.800	52.68	---	74.00	21.32	7000.0	1000.000	100.0	H	97.0	14.68
17836.800	---	39.41	54.00	14.59	7000.0	1000.000	100.0	H	97.0	14.68
17917.200	52.68	---	74.00	21.32	7000.0	1000.000	100.0	V	30.0	14.64
17917.200	---	39.31	54.00	14.69	7000.0	1000.000	100.0	V	30.0	14.64

2024-12-04



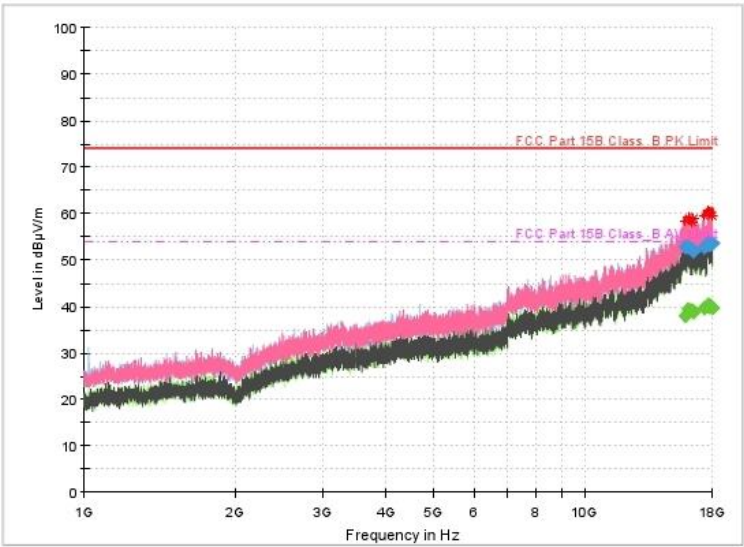


DATA 1 GHz Above (MODE 2)

Test Report

Common Information

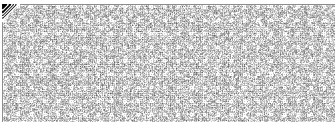
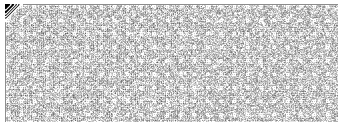
Test Description: 2024-5506
Test Site: ICR 3 m Chamber
Operator Name: OSB
Comment: RE ABOVE_MODE 2



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
15858.000	52.75	---	74.00	21.25	7000.0	1000.000	99.7	V	286.0	12.56
15858.000	---	37.97	54.00	16.03	7000.0	1000.000	99.7	V	286.0	12.56
16084.800	---	39.36	54.00	14.64	7000.0	1000.000	99.7	V	219.0	12.41
16084.800	52.80	---	74.00	21.20	7000.0	1000.000	99.7	V	219.0	12.41
16450.800	---	39.06	54.00	14.94	7000.0	1000.000	99.7	V	219.0	12.59
16450.800	52.32	---	74.00	21.68	7000.0	1000.000	99.7	V	219.0	12.59
16550.400	---	38.78	54.00	15.22	7000.0	1000.000	99.7	V	150.0	13.02
16550.400	51.98	---	74.00	22.02	7000.0	1000.000	99.7	V	150.0	13.02
17299.200	---	39.55	54.00	14.45	7000.0	1000.000	99.7	V	187.0	14.14
17299.200	52.87	---	74.00	21.13	7000.0	1000.000	99.7	V	187.0	14.14
17661.600	53.63	---	74.00	20.37	7000.0	1000.000	99.7	V	118.0	14.68
17661.600	---	40.21	54.00	13.79	7000.0	1000.000	99.7	V	118.0	14.68
17703.600	53.43	---	74.00	20.57	7000.0	1000.000	99.7	V	82.0	14.71
17703.600	---	40.11	54.00	13.89	7000.0	1000.000	99.7	V	82.0	14.71
17749.200	53.46	---	74.00	20.54	7000.0	1000.000	99.7	V	0.0	14.90
17749.200	---	40.14	54.00	13.86	7000.0	1000.000	99.7	V	0.0	14.90
17767.200	53.39	---	74.00	20.61	7000.0	1000.000	99.7	H	228.0	14.81
17767.200	---	39.86	54.00	14.14	7000.0	1000.000	99.7	H	228.0	14.81
17992.800	53.58	---	74.00	20.42	7000.0	1000.000	99.7	H	0.0	15.34
17992.800	---	39.79	54.00	14.21	7000.0	1000.000	99.7	H	0.0	15.34

2024-12-04





7.2 Conducted emission

Definition:

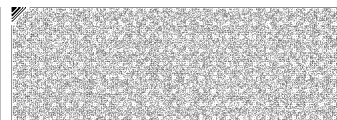
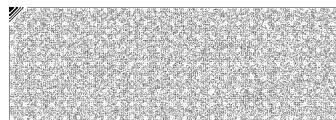
The test assesses the ability of the EUT to limit its internal noise from being present on the AC mains Power and Signal Line In / Output ports.

Test environment:

Test method	: FCC Part 15.107
Test Date	: 2024. 12. 04
Temperature, Humidity	: 24 °C, 45 % R.H.
Measurement Frequency range and RBW	: 150 kHz ~ 30 MHz
Test mode	: MODE 1 (refer to 4.4)
U_t	: AC 120 V, 60 Hz(MODE 1)
Result	: Pass

A sample calculation:

- Corr (correction factor) = LISN Insertion loss + Cable loss
- Emission Level = meter reading + Corr
- Sample calculation ;
- At Frequency: 0.625 MHz Result = Reading + Corr = 25.28 dB(μ V) + 9.93 dB = 35.21 dB(μ V)
- (☐ Quasi-peak, ☒ CISPR-Average)
- Measurement Data kept in ICR





페이지(page) : (17)/(총(Total) 26)

Limits for conducted emissions from the AC mains ports of class A equipment.

Applicable to AC mains power port		
Frequency Range (MHz)	Quasi-Peak [dB(μV)]	CISPR-Average [dB(μV)]
0.15 ~ 0.5	79	66
0.5 ~ 30	73	60

Limits for conducted emissions from the AC mains ports of class B equipment.

Applicable to AC mains power port		
Frequency Range (MHz)	Quasi-Peak [dB(μV)]	CISPR-Average [dB(μV)]
0.15 ~ 0.5	66 ~ 56*	56 ~ 46*
0.5 ~ 5	56	46
5 ~ 30	60	50
* Decreases with the logarithm of the frequency		

Used equipments:

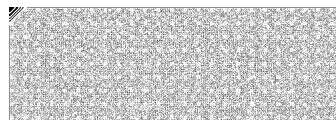
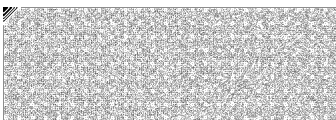
Used	Equipment	Model name	Manufacturer	Serial No.	Next Cal.
☒	EMI Test Receiver	ESR7	R&S	102034	2025. 03. 28
☒	LISN(main)	ENV216	R&S	102195	2025. 09. 12
☐	LISN(sub)	ENV216	R&S	102194	2025. 05. 27
☒	HUMIDITY/TEMP. DATA RECORDER	MHT-381SD	LUTRON	AI.63101	2025. 01. 05

Test Software:

Used	Description	Model name	Manufacturer	Version.
☒	EMI Test Software	EMC32	R & S	10.01.02

Measurement Data:

- Refer to the Next page.
- The maximum value was recorded by measuring LIVE and NEUTRAL respectively.





DATA (MODE 1)

Test Report

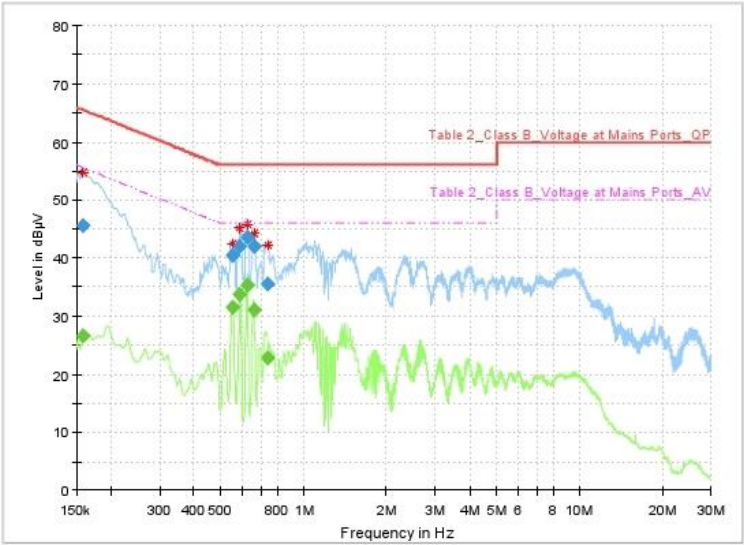
Common Information

Test Description:2024-5506

Test Site:ICR Shield Room

Operator Name:OSB

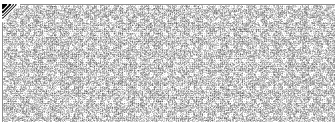
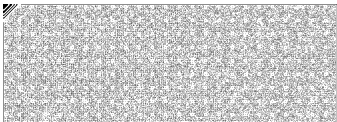
Comment:CE



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.159	---	26.49	55.52	29.02	5000.0	9.000	L1	10.16
0.159	45.54	---	65.52	19.98	5000.0	9.000	L1	10.16
0.555	---	31.59	46.00	14.41	5000.0	9.000	II	9.95
0.555	40.38	---	56.00	15.62	5000.0	9.000	II	9.95
0.587	---	33.84	46.00	12.16	5000.0	9.000	II	9.95
0.587	42.01	---	56.00	13.99	5000.0	9.000	II	9.95
0.625	---	35.21	46.00	10.79	5000.0	9.000	II	9.93
0.625	43.62	---	56.00	12.38	5000.0	9.000	II	9.93
0.661	---	31.03	46.00	14.97	5000.0	9.000	II	9.92
0.661	41.98	---	56.00	14.02	5000.0	9.000	II	9.92
0.742	---	22.90	46.00	23.10	5000.0	9.000	II	9.89
0.742	35.45	---	56.00	20.55	5000.0	9.000	II	9.89

2024-12-04

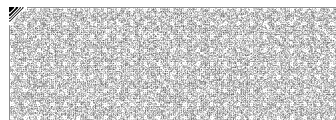




페이지(page) : (19)/(총(Total) 26)

Attachment I

PHOTOGRAPHS

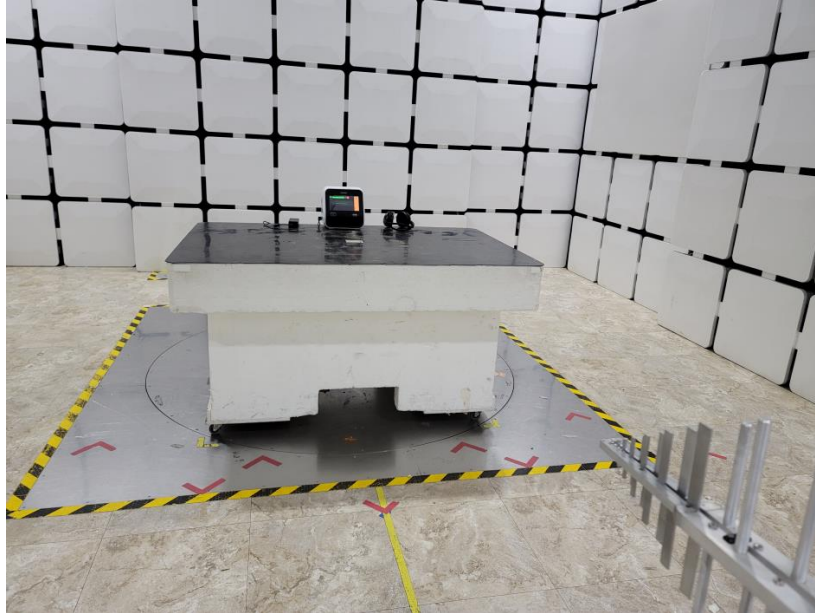




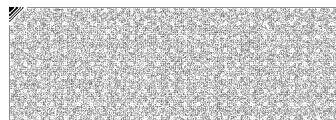
페이지(page) : (20)/(총(Total) 26)

Radiated emission (Below 1 GHz) – [MODE 1]

[Front]



[Rear]

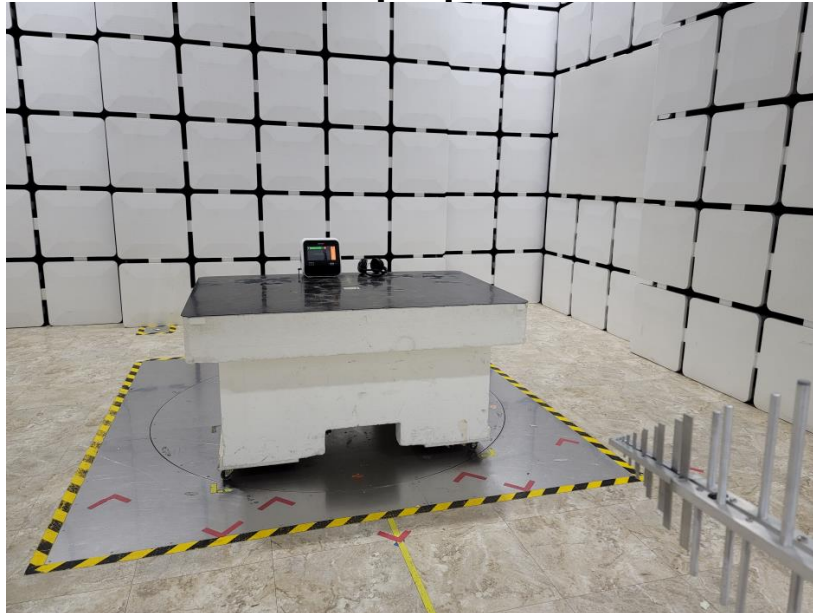




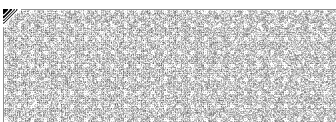
페이지(page) : (21)/(총(Total) 26)

Radiated emission (Below 1 GHz) – [MODE 2]

[Front]



[Rear]

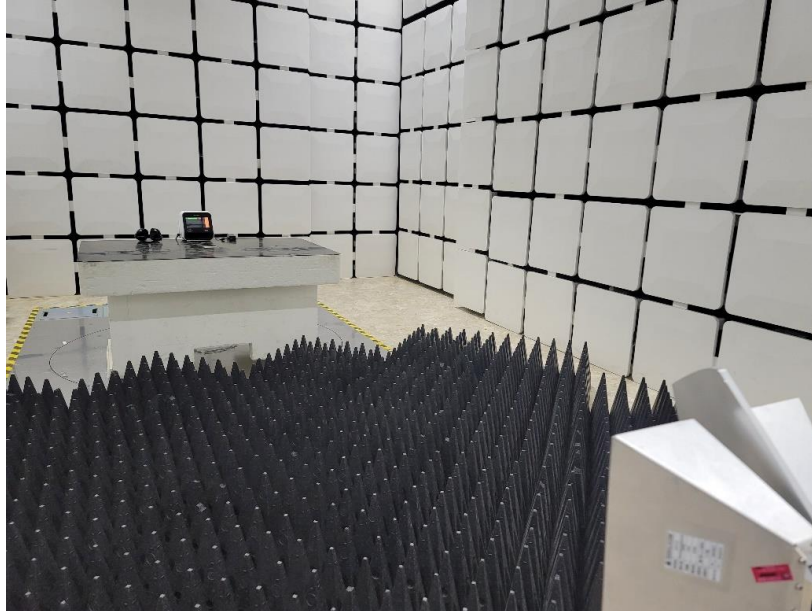




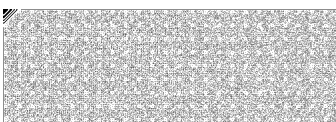
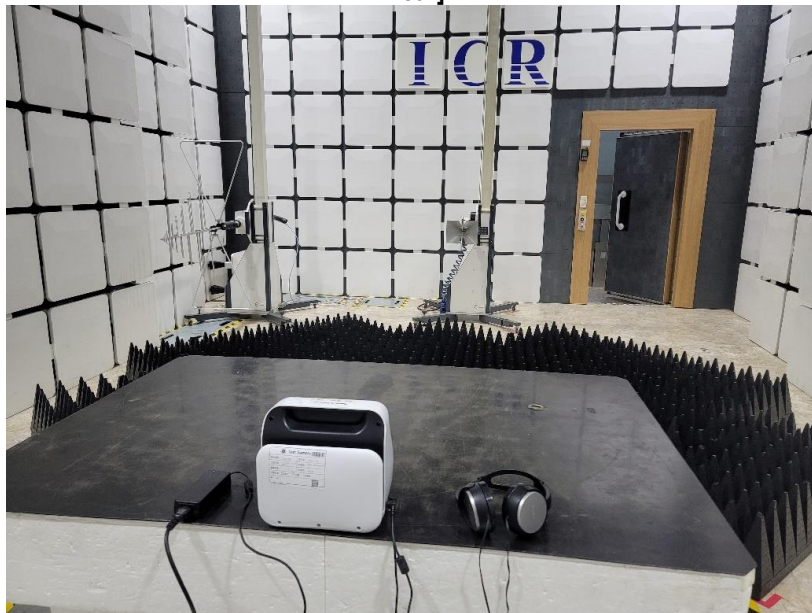
페이지(page) : (22)/(총(Total) 26)

Radiated emission (Above 1 GHz) – [MODE 1]

[Front]



[Rear]

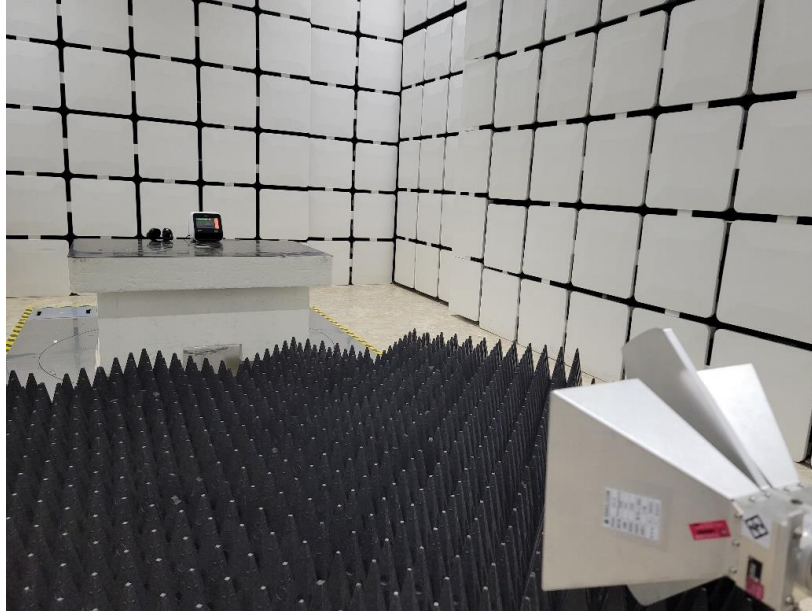




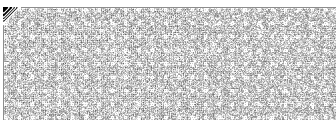
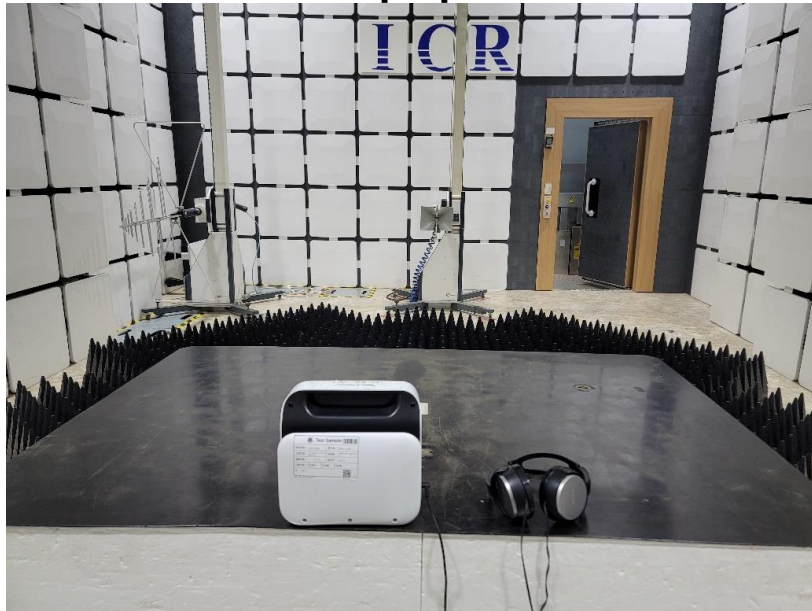
페이지(page) : (23)/(총(Total) 26)

Radiated emission (Above 1 GHz) – [MODE 2]

[Front]



[Rear]





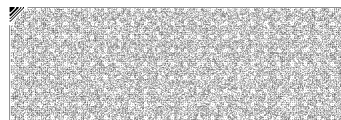
페이지(page) : (24)/(총(Total) 26)

Conducted emission – [MODE 1]

[Front]



[Rear]





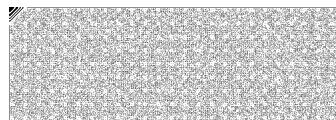
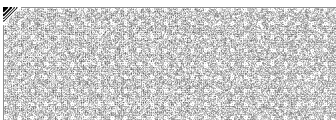
페이지(page) : (25)/(총(Total) 26)

EUT Photo

[Front]



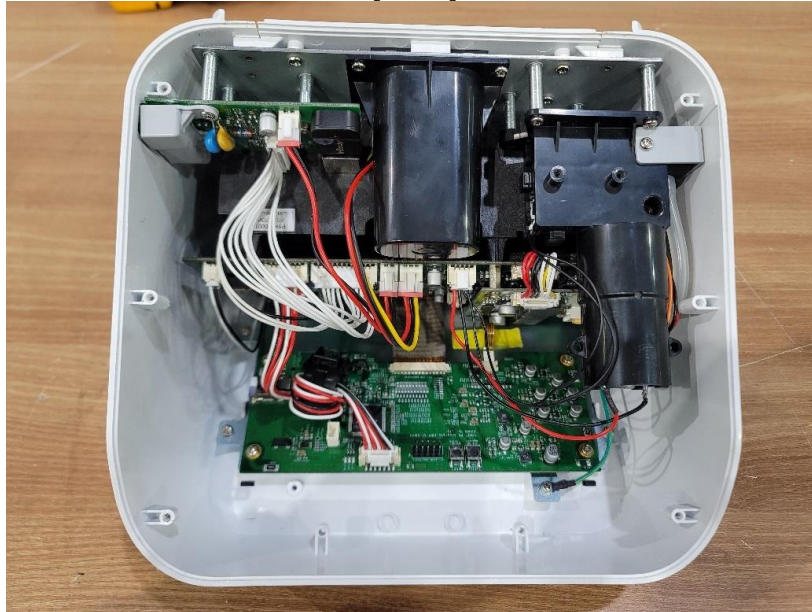
[Rear]





페이지(page) : (26)/(총(Total) 26)

[Inside]



- END -

