



TEST REPORT



Report No. : KES-EM260353

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KES Co., Ltd.

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1. Client

- Name : Thatway Inc.
- Address : B-1011~1013, 357 Guseong-ro, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea

2. Sample Description

- Product item : Portable Beauty Device
- Model name : Ollier.S1
- Variant model : -
- Manufacturer etc. : Thatway Inc.
- Manufacturer address : B-1011~1013, 357 Guseong-ro, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea

3. FCC ID

: 2BR5U-OLLIERS1

4. Date of test

: 2026. 02. 05. ~ 2026. 02. 08.

5. Location of Test

- Permanent Testing Lab
- Address : 473-21, Gayeo-ro, Yeuju-si, Gyeonggi-do, 12658, Republic of Korea

6. Test method used

: FCC 47 CFR Part 15, Subpart B (ANSI C63.4a-2017)

7. 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 : DongYun Lee [이동운]2026/02/13	Name : DaeJung,Choi [최대중]2026/02/13

2026. 02. 13.

KES Co., Ltd.

**REPORT REVISION HISTORY**

Date	Test Report No.	Revision History
2026. 02. 13.	KES-EM260353	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
Address	473-21, Gayeo-ro, Yeosu-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, Yeosu-si, Gyeonggi-do, 12658, Korea, Republic of. The sites are constructed in conformance with the requirements of ANSI C63.4a-2017 and CISPR 16-1-4:2019

1.2 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



2 Test Summary

2.1 Class and Voltage

Test Class	Test Voltage
☐ Class A ☒ Class B	AC 120 V, 60 Hz

2.2 Summary of Test Results

Regulation			
47 CFR Part 15, Subpart B			
Test Item	Test Standard	Test Result	Remark
Conducted Emissions at Mains Power Ports	ANSI C63.4a-2017	PASS	-
Radiated Emissions(Below 1 GHz)		PASS	-
Radiated Emissions(Above 1 GHz)		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



3 General Product Description

Division		Specificity
Internal maximum Clock frequency		32 MHz
Power	Rated power supply	Charging : DC 5 V (USB power) Operation : DC 7.4 V, 2 400 mAh (Battery)
	Test Power	AC 120 V, 60 Hz
I/O Ports	User port	USB Type-C 1 EA
	Unused/Administrator Port	N/A
	Wireless function	Bluetooth
Components		Main body 1 EA , Charging cable 1 EA, Head 5 EA
Others		N/A



4 EUT Setup and Operation Mode

4.1 EUT Configuration

Product Name	Model Number	Serial Number	Manufacturer	Remarks
Portable Beauty Device	Ollier.S1	-	Thatway Inc.	EUT
AC/DC Adaptor	IBD165B-1U2C-65W	-	Dongguan galasea technology co.,ltd	-
Smartphone	SM-G973	-	Samsung Electronics Co., Ltd.	-

4.2 System Configuration

Product Name	Model Number	Serial Number	Manufacturer	Remarks
Battery	HY18650-2400-2S	-	ShenZhen Huayu New Energy Technology CO., LTD	YU10801-19001
Head 1	mzu-j202	-	Thatway Inc.	-
Head 2	mzu-s205	-	Thatway Inc.	-
Head 3	mzh-s204	-	Thatway Inc.	-
Head 4	mzh-s201	-	Thatway Inc.	-
Head 5	mzh-s206	-	Thatway Inc.	-



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	USB Type-C	AC/DC Adaptor	USB Type-A	1.0	U
	Contact part	Head 1 (EUT)	Contact part	-	-

- Mode 2

Start		End		Cable Spec.	
Product Name	I/O Port	Product Name	I/O Port	Length(m)	Shield
EUT	Contact part	Head 1 (EUT)	Contact part	-	-
	Wireless	Smartphone	Wireless	-	-

- Mode 3

Start		End		Cable Spec.	
Product Name	I/O Port	Product Name	I/O Port	Length(m)	Shield
EUT	Contact part	Head 2 (EUT)	Contact part	-	-
	Wireless	Smartphone	Wireless	-	-

- Mode 4

Start		End		Cable Spec.	
Product Name	I/O Port	Product Name	I/O Port	Length(m)	Shield
EUT	Contact part	Head 3 (EUT)	Contact part	-	-
	Wireless	Smartphone	Wireless	-	-

- Mode 5

Start		End		Cable Spec.	
Product Name	I/O Port	Product Name	I/O Port	Length(m)	Shield
EUT	Contact part	Head 4 (EUT)	Contact part	-	-
	Wireless	Smartphone	Wireless	-	-

- Mode 6

Start		End		Cable Spec.	
Product Name	I/O Port	Product Name	I/O Port	Length(m)	Shield
EUT	Contact part	Head 5 (EUT)	Contact part	-	-
	Wireless	Smartphone	Wireless	-	-

* Unshielded=U, Shielded=S

**4.4 EUT Operating Mode(s)**

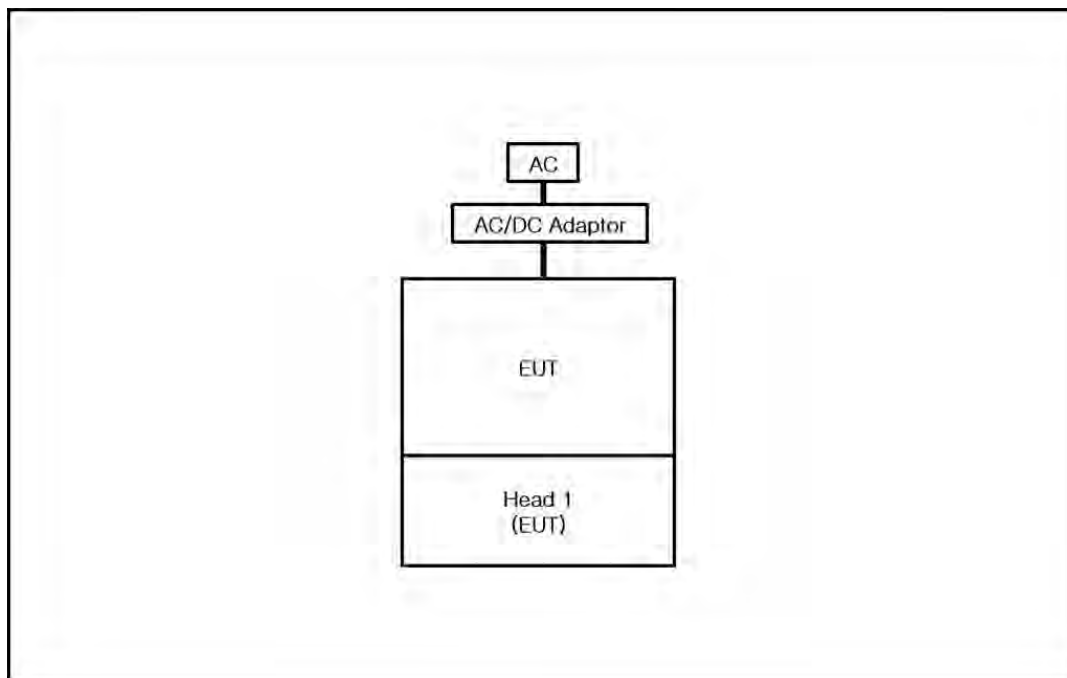
Category	Mode	Operating
Mode 1	Charging	After connecting the test equipment and the DC power supply, the test equipment was tested by checking whether the test equipment was charged normally through the display.
Mode 2	Head 1	It was tested with maximum strength by pressing the button of the test equipment. After connecting to the smartphone, the wireless connection status was checked.
Mode 3	Head 2	
Mode 4	Head 3	
Mode 5	Head 4	
Mode 6	Head 5	

4.5 Test operating S/W

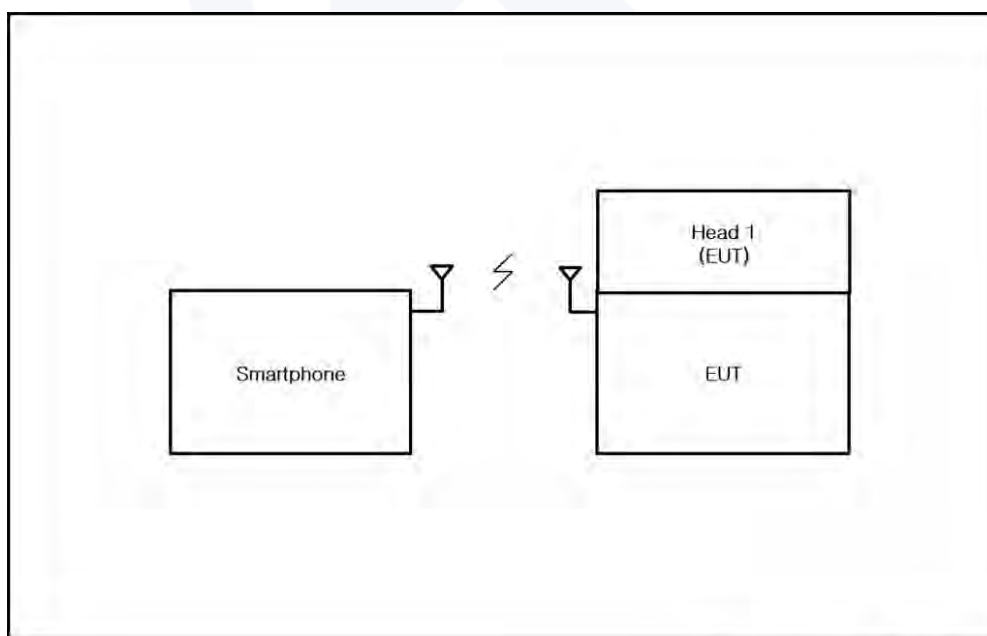
Name	Version	Manufacture Company
-	-	-



4.6 Configuration

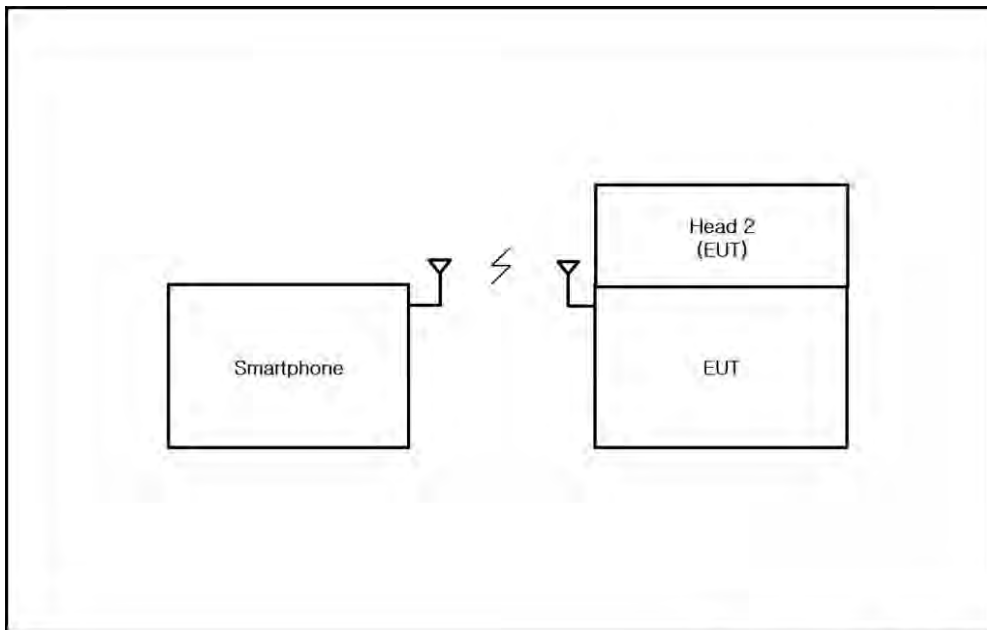


Mode 1



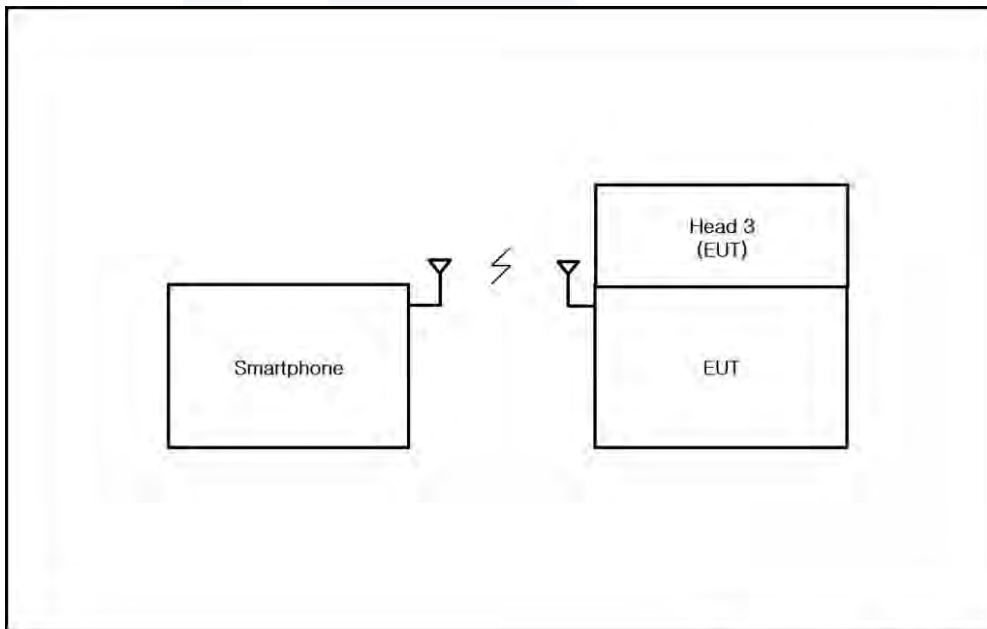
EUT – Smartphone : Bluetooth

Mode 2



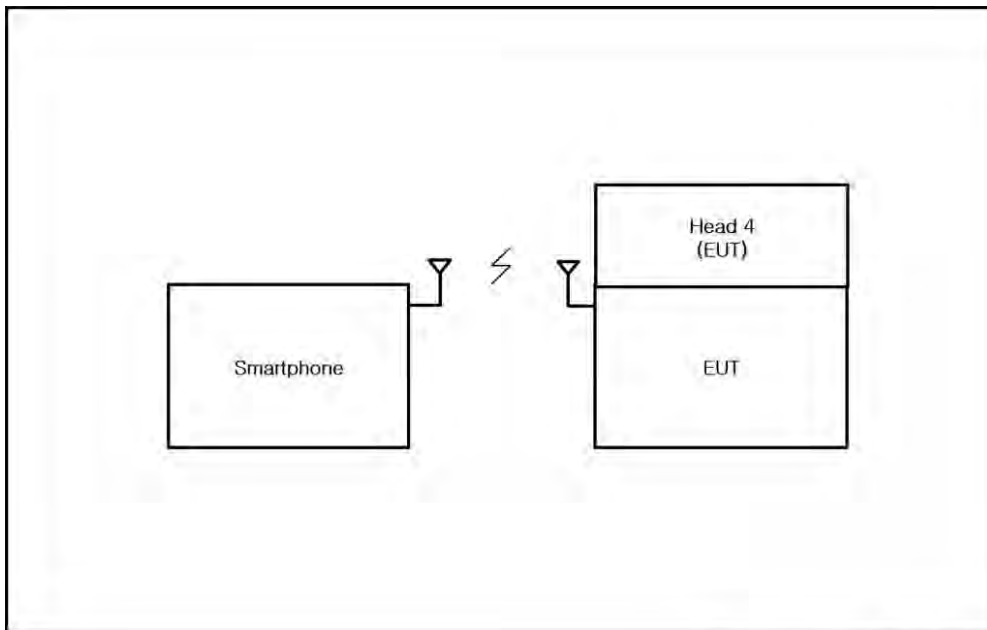
EUT – Smartphone : Bluetooth

mode 3



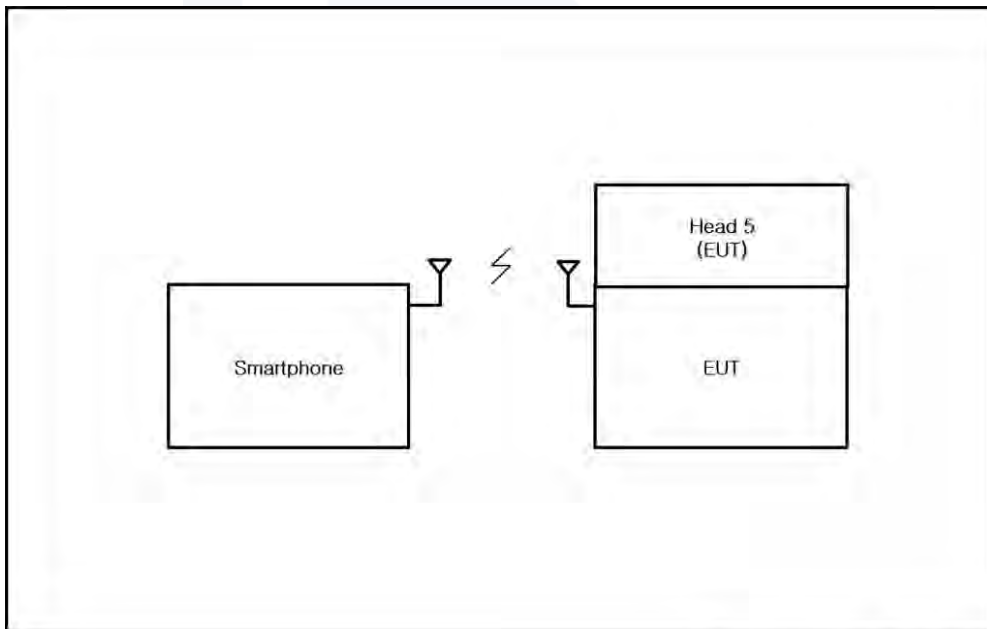
EUT – Smartphone : Bluetooth

Mode 4



EUT – Smartphone : Bluetooth

Mode 5



EUT – Smartphone : Bluetooth

Mode 6



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 kHz to 30 MHz. 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 GHz at 10 m or 3 m distance and a Peak and Average detector above 1 GHz 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

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

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 GHz)

$\text{Result(QP) [dB(}\mu\text{V/m)}] = (\text{Reading(QP)[dB(}\mu\text{V)}] + \text{c.f[dB(1/m)}]$

$\text{Margin(QP)[dB]} = \text{Limit[dB(}\mu\text{V/m)}] - \text{Result(QP) [dB(}\mu\text{V/m)}]$

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 GHz)

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

$\text{Margin(PK/CAV)[dB]} = \text{Limit[dB(}\mu\text{V/m)}] - \text{Result(PK/CAV) [dB(}\mu\text{V/m)}]$

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



6 Test Item

6.1 Conducted Emissions at Mains Power Ports

6.1.1 Test Equipment

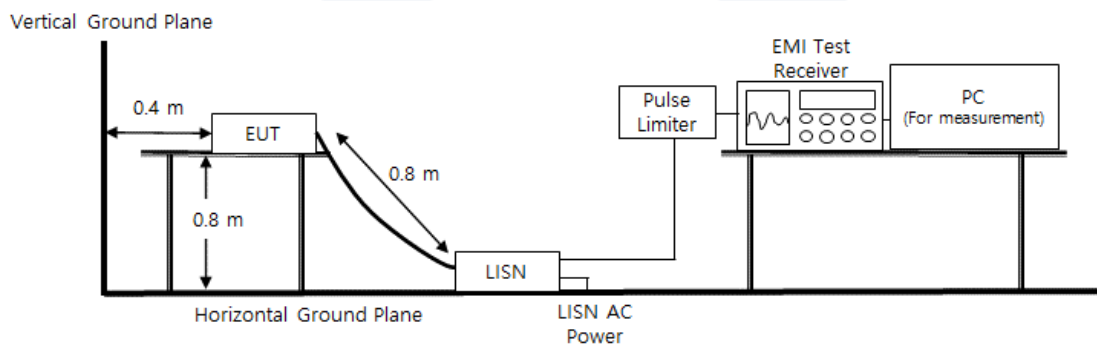
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SHIELD ROOM #6	-	DYMSTEC	-	-	-	■
EMC32 Measurement Software	EMC32	R&S	9.12.00	-	-	■
EMI TEST RECEIVER	ESR3	Rohde & Schwarz	101783	2025-11-03	2026-11-03	■
LISN	ENV216	Rohde & Schwarz	101787	2025-09-04	2026-09-04	■
PULSE LIMITER	ESH3-Z2	Rohde & Schwarz	101915	2025-11-03	2026-11-03	■
Cable	RG 400	-	-	2026-01-25	2026-07-25	■

6.1.2 Test Location : SHIELD ROOM #6

6.1.3 Test Conditions :

Temperature	Relative Humidity
(21.5 ~ 21.5) °C	(35.5 ~ 35.5) % R.H.

6.1.4 Diagram of test setup



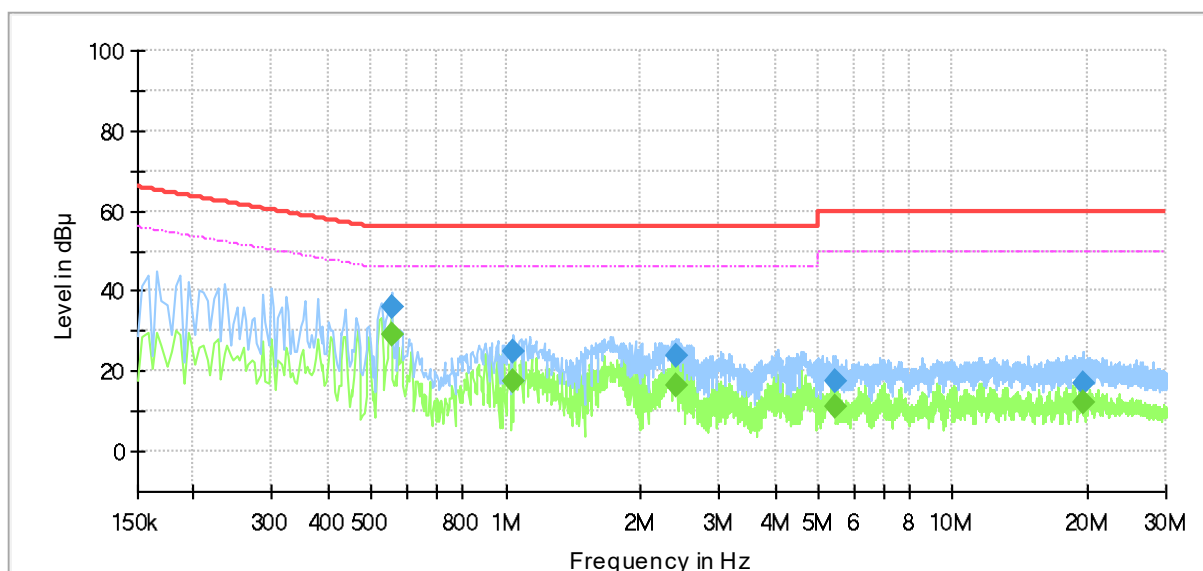


6.1.5 Test Result

- Test Date : 2026-02-05
- Test Mode : Mode 1

Test Report

Test Description: Conducted Emission
Job No.: KES-EM260353
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)
0.554000	—	29.35	46.00	16.65	1000.0	9.000	L1	19.6
0.554000	35.95	—	56.00	20.05	1000.0	9.000	L1	19.6
1.042000	—	17.73	46.00	28.27	1000.0	9.000	L1	19.7
1.042000	24.95	—	56.00	31.05	1000.0	9.000	L1	19.7
2.414000	—	16.56	46.00	29.44	1000.0	9.000	L1	19.8
2.414000	24.09	—	56.00	31.91	1000.0	9.000	L1	19.8
5.442000	—	11.33	50.00	38.67	1000.0	9.000	L1	20.1
5.442000	17.60	—	60.00	42.40	1000.0	9.000	L1	20.1
19.614000	—	12.26	50.00	37.74	1000.0	9.000	L1	20.9
19.614000	16.93	—	60.00	43.07	1000.0	9.000	L1	20.9



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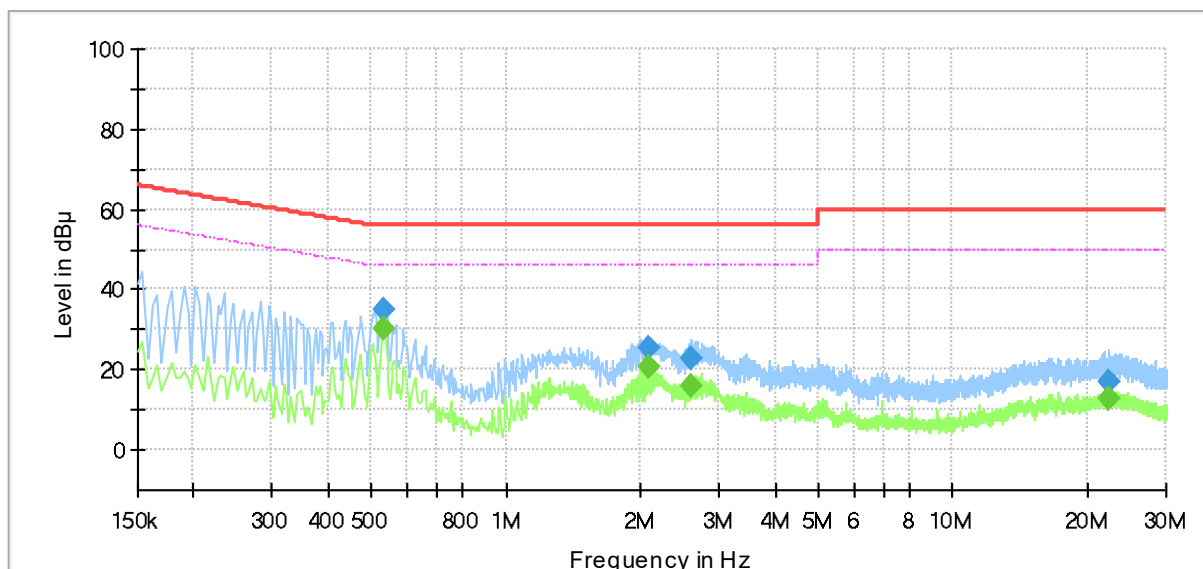
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○ Test Date : 2026-02-05

● Test Mode : Mode 1

Test Report

Test Description: Conducted Emission
Job No.: KES-EM260353
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)
0.534000	—	30.18	46.00	15.82	1000.0	9.000	N	19.6
0.534000	34.72	—	56.00	21.28	1000.0	9.000	N	19.6
2.086000	—	20.43	46.00	25.57	1000.0	9.000	N	19.7
2.086000	25.21	—	56.00	30.79	1000.0	9.000	N	19.7
2.610000	—	16.02	46.00	29.98	1000.0	9.000	N	19.8
2.610000	22.69	—	56.00	33.31	1000.0	9.000	N	19.8
22.366000	—	12.53	50.00	37.47	1000.0	9.000	N	21.1
22.366000	16.74	—	60.00	43.26	1000.0	9.000	N	21.1
22.450000	—	12.95	50.00	37.05	1000.0	9.000	N	21.1
22.450000	16.89	—	60.00	43.11	1000.0	9.000	N	21.1

6.1.6 Remark

Complies with the test requirements.



6.2 Radiated Emissions(Below 1 GHz)

6.2.1 Test Equipment

Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SEMI ANECHOIC CHAMBER #6	-	SY Corporation	-	-	-	■
ES10/RE Software	ES10/RE	TOYO	2022.01.000	-	-	■
EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100517	2025-07-08	2026-07-08	■
AMPLIFIER	310N	SONOMA INSTRUMENT	401123	2025-02-13	2026-02-13	■
TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	714	2024-04-19	2026-04-19	■
ATTENUATOR	6806.17.A	HUBER+SUHNER	-	2025-02-13	2026-02-13	■
Cable	TCLH21D-SMSM-2.5M 0222	OSI Cable	-	2026-01-25	2026-07-25	■
Cable	TCLH21D-NMNM-10.0M 0222	OSI Cable	-	2026-01-25	2026-07-25	■
Cable	TCLH21D-SMSM-7.0M 0222	OSI Cable	-	2026-01-25	2026-07-25	■

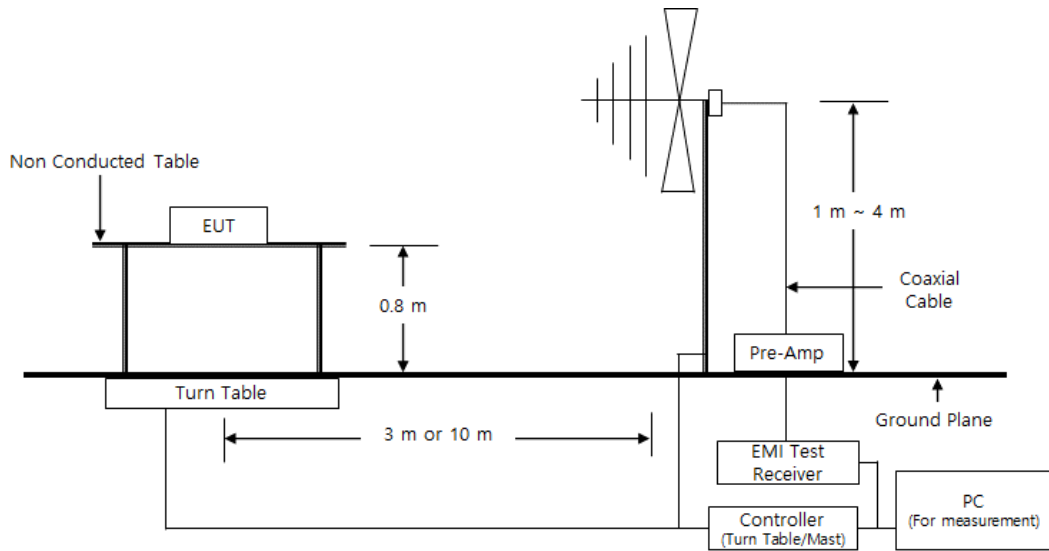
6.2.2 Test Location : SEMI ANECHOIC CHAMBER #6 Measurement Distance : ■ 3 m, □ 10 m

6.2.3 Test Conditions :

Temperature	Relative Humidity
(20.0 ~ 21.0) °C	(34.2 ~ 35.2) % R.H.



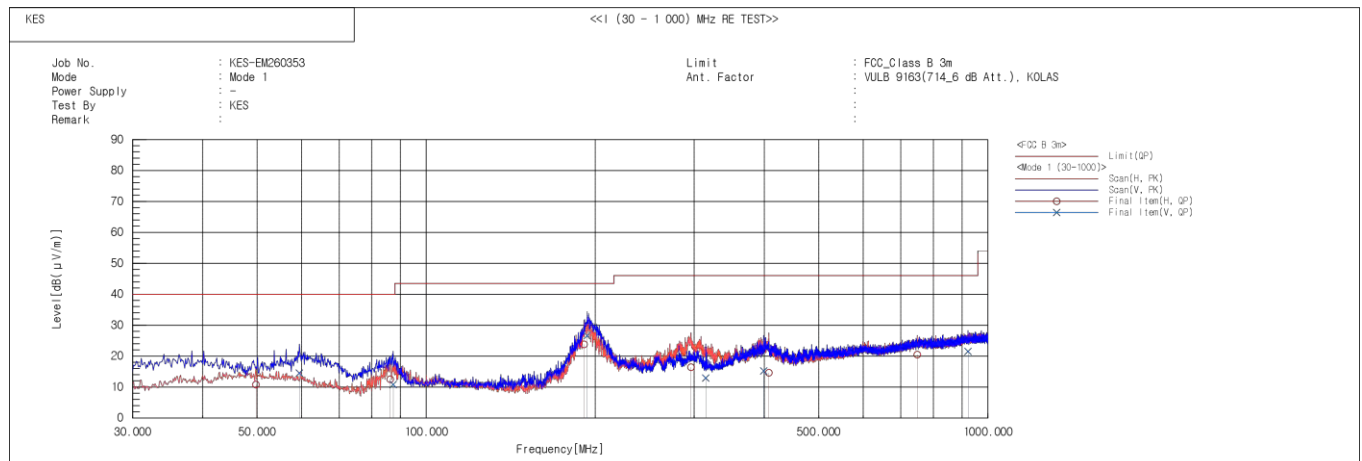
6.2.4 Diafram of test setup





6.2.5 Test Result

- Test Date : 2026-02-06
- Test Mode : Mode 1



Final Result

No.	Frequency	Pol	Reading	c.f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		QP		QP	QP	QP			
			[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[cm]	[deg]	
1	49.764	H	22.9	-12.1	10.8	40.0	29.2	117.0	117.4	
2	59.464	V	27.7	-13.2	14.5	40.0	25.5	103.0	85.7	
3	86.260	H	29.0	-16.5	12.5	40.0	27.5	208.0	117.4	
4	87.351	V	27.0	-16.2	10.8	40.0	29.2	119.0	0.0	
5	191.020	H	37.4	-13.6	23.8	43.5	19.7	108.0	227.7	
6	193.445	V	40.0	-13.4	26.6	43.5	16.9	105.0	107.4	
7	296.144	H	26.5	-10.1	16.4	46.0	29.6	111.0	206.6	
8	314.695	V	22.2	-9.3	12.9	46.0	33.1	108.0	175.3	
9	398.964	V	22.4	-7.2	15.2	46.0	30.8	154.0	85.7	
10	407.694	H	21.7	-7.1	14.6	46.0	31.4	103.0	227.7	
11	748.891	H	21.1	-0.6	20.5	46.0	25.5	104.0	30.0	
12	922.521	V	19.7	1.8	21.5	46.0	24.5	109.0	330.4	

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

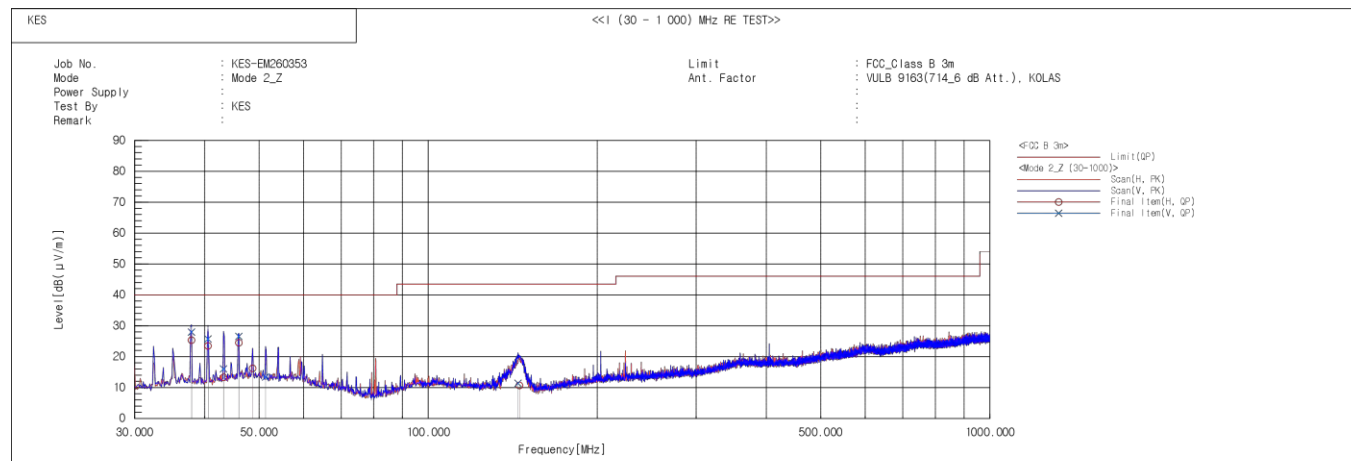


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○ Test Date : 2026-02-06

● Test Mode : Mode 2_Z



Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	37.880	V	42.1	-14.2	27.9	40.0	12.1	107.0	119.5	
2	37.881	H	39.5	-14.2	25.3	40.0	14.7	205.0	218.5	
3	40.549	V	39.4	-13.7	25.7	40.0	14.3	105.0	119.5	
4	40.550	H	37.2	-13.7	23.5	40.0	16.5	101.0	152.0	
5	43.216	V	29.2	-13.2	16.0	40.0	24.0	117.0	119.5	
6	43.217	H	26.5	-13.2	13.3	40.0	26.7	108.0	39.3	
7	46.005	V	39.2	-12.7	26.5	40.0	13.5	108.0	119.5	
8	46.005	H	37.2	-12.7	24.5	40.0	15.5	109.0	172.0	
9	48.673	H	28.5	-12.3	16.2	40.0	23.8	107.0	105.1	
10	51.340	V	25.6	-12.2	13.4	40.0	26.6	110.0	119.5	
11	144.581	V	27.9	-16.5	11.4	43.5	32.1	106.0	277.1	
12	145.309	H	27.2	-16.5	10.7	43.5	32.8	208.0	242.0	

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

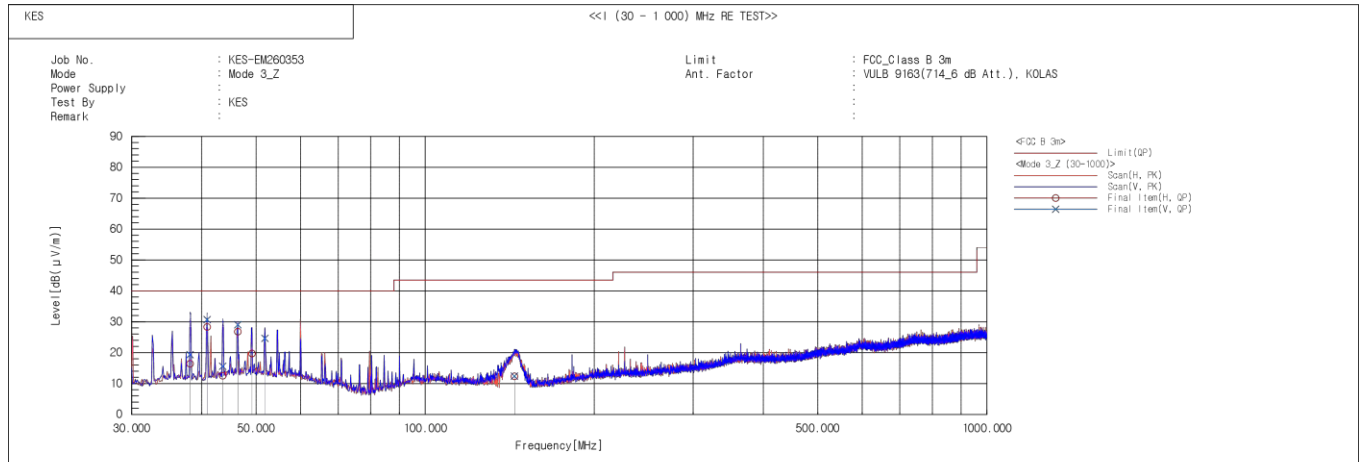


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○ Test Date : 2026-02-06

● Test Mode : Mode 3_Z



Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	38.124	V	33.5	-14.2	19.3	40.0	20.7	108.0	29.8	
2	38.124	H	30.6	-14.2	16.4	40.0	23.6	104.0	306.5	
3	40.913	V	44.3	-13.6	30.7	40.0	9.3	105.0	344.2	
4	40.913	H	41.9	-13.6	28.3	40.0	11.7	208.0	0.8	
5	43.580	V	28.7	-13.1	15.6	40.0	24.4	112.0	277.4	
6	43.580	H	25.6	-13.1	12.5	40.0	27.5	111.0	144.5	
7	46.369	V	41.6	-12.6	29.0	40.0	11.0	109.0	77.5	
8	46.369	H	39.4	-12.6	26.8	40.0	13.2	107.0	0.8	
9	49.158	H	31.9	-12.2	19.7	40.0	20.3	103.0	0.8	
10	51.825	V	36.9	-12.3	24.6	40.0	15.4	104.0	0.0	
11	144.218	V	28.9	-16.5	12.4	43.5	31.1	156.0	231.0	
12	144.218	H	28.8	-16.5	12.3	43.5	31.2	209.0	144.5	

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

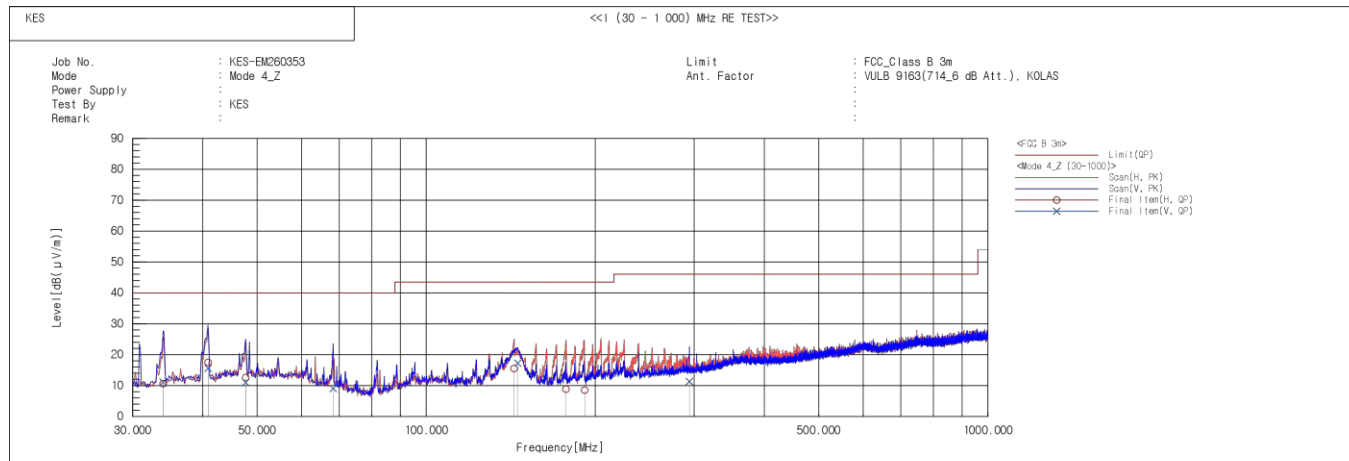


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○ Test Date : 2026-02-06

● Test Mode : Mode 4_Z



Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	34.001	V	26.2	-15.1	11.1	40.0	28.9	107.0	76.4	
2	34.001	H	25.7	-15.1	10.6	40.0	29.4	113.0	104.8	
3	40.913	V	29.2	-13.6	15.6	40.0	24.4	105.0	76.4	
4	40.913	H	31.1	-13.6	17.5	40.0	22.5	116.0	151.3	
5	47.703	V	23.4	-12.4	11.0	40.0	29.0	102.0	166.5	
6	47.703	H	25.0	-12.4	12.6	40.0	27.4	202.0	216.4	
7	68.315	V	24.6	-15.6	9.0	40.0	31.0	111.0	278.3	
8	143.369	H	31.9	-16.4	15.5	43.5	28.0	209.0	306.3	
9	145.551	V	33.7	-16.5	17.2	43.5	26.3	155.0	122.2	
10	177.319	H	23.4	-14.6	8.8	43.5	34.7	204.0	261.4	
11	191.505	H	22.0	-13.5	8.5	43.5	35.0	114.0	261.4	
12	294.325	V	21.4	-10.1	11.3	46.0	34.7	101.0	0.0	

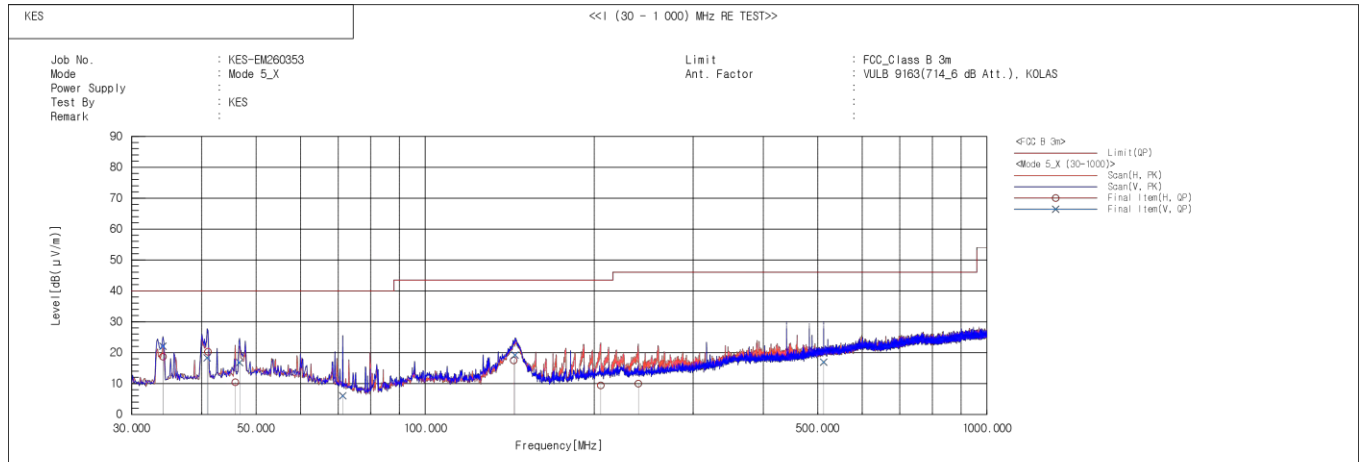
※ The data is the result measured by the detector in Quasi-Peak mode on the Peak graph.



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- Test Date : 2026-02-06
- Test Mode : Mode 5_X



Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	34.123	V	37.2	-15.1	22.1	40.0	17.9	105.0	29.8	
2	34.123	H	33.8	-15.1	18.7	40.0	21.3	202.0	0.0	
3	40.913	V	31.9	-13.6	18.3	40.0	21.7	116.0	212.1	
4	41.034	H	33.9	-13.6	20.3	40.0	19.7	216.0	128.8	
5	45.884	H	23.1	-12.7	10.4	40.0	29.6	104.0	83.6	
6	46.733	V	29.4	-12.6	16.8	40.0	23.2	108.0	359.1	
7	71.346	V	22.4	-16.4	6.0	40.0	34.0	158.0	278.9	
8	143.733	H	33.9	-16.4	17.5	43.5	26.0	204.0	173.4	
9	144.581	V	35.7	-16.5	19.2	43.5	24.3	109.0	258.1	
10	205.328	H	22.2	-12.8	9.4	43.5	34.1	106.0	284.3	
11	239.520	H	21.6	-11.6	10.0	46.0	36.0	197.0	83.6	
12	512.454	V	21.8	-4.9	16.9	46.0	29.1	107.0	347.4	

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

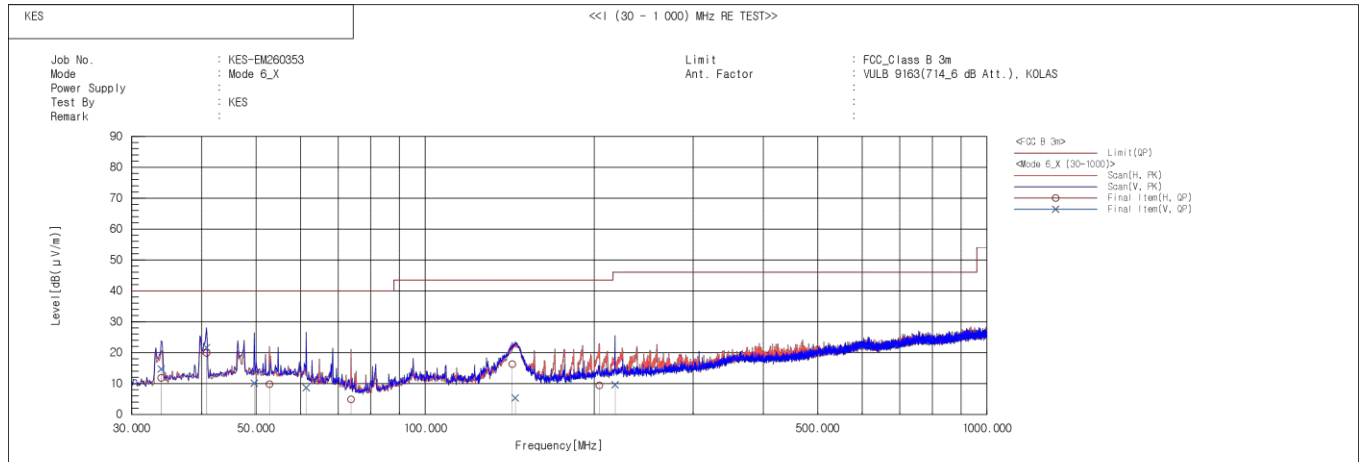


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○ Test Date : 2026-02-06

● Test Mode : Mode 6_X



Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	33.880	V	29.8	-15.1	14.7	40.0	25.3	107.0	211.4	
2	33.880	H	26.9	-15.1	11.8	40.0	28.2	108.0	305.2	
3	40.791	V	35.3	-13.7	21.6	40.0	18.4	104.0	275.7	
4	40.791	H	33.6	-13.7	19.9	40.0	20.1	202.0	305.2	
5	49.643	V	22.2	-12.1	10.1	40.0	29.9	113.0	99.8	
6	52.795	H	22.2	-12.4	9.8	40.0	30.2	209.0	330.2	
7	61.404	V	22.3	-13.7	8.6	40.0	31.4	157.0	345.8	
8	73.771	H	21.9	-17.0	4.9	40.0	35.1	113.0	193.6	
9	142.884	H	32.7	-16.4	16.3	43.5	27.2	206.0	330.2	
10	144.703	V	21.8	-16.5	5.3	43.5	38.2	156.0	275.7	
11	204.236	H	22.2	-12.8	9.4	43.5	34.1	199.0	82.9	
12	217.816	V	21.9	-12.3	9.6	46.0	36.4	151.0	0.0	

※ 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.

Mode 2, Mode 3, Mode 4, Mode 5, Mode 6 : The fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z.



6.3 Radiated Emissions(Above 1 GHz)

6.3.1 Test Equipment

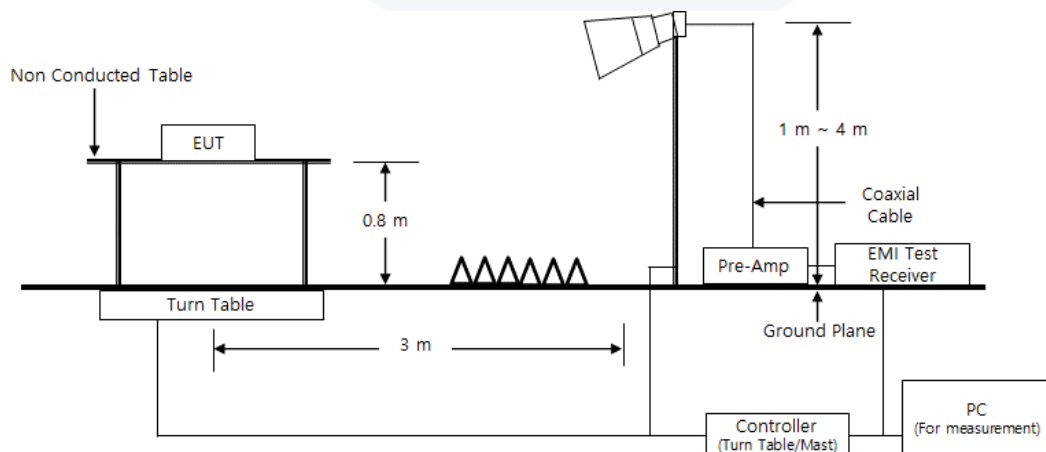
Equipment Name	Model Number	Manufacturer	Serial No.	Cal. Date	Next Cal. Date	Used
SEMI ANECHOIC CHAMBER #5	-	SY Corporation	-	-	-	■
ES10/RE Software	ES10/RE	TOYO	2022.01.000	-	-	■
EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	2025-02-13	2026-02-13	■
PREAMPLIFIER	8449B	HP	3008A00538	2025-04-30	2026-04-30	■
ATTENUATOR	8491B	HP	23094	2025-02-13	2026-02-13	■
HORN ANTENNA	BBHA 9120D	SCHWARZBEC K	9120D-1802	2025-11-05	2026-11-05	■
Cable	LH21D/2Xsma(m)	OSI Cable	-	2026-01-25	2026-07-25	■
Cable	SUCOFLEX106	HUBER_SUHNE R	-	2026-01-25	2026-07-25	■
Cable	SUCOFLEX106	HUBER_SUHNE R	-	2026-01-25	2026-07-25	■

6.3.2 Test Location : SEMI ANECHOIC CHAMBER #5

6.3.3 Test Conditions :

Temperature	Relative Humidity
(21.6 ~ 22.4) °C	(34.5 ~ 35.3) % R.H.

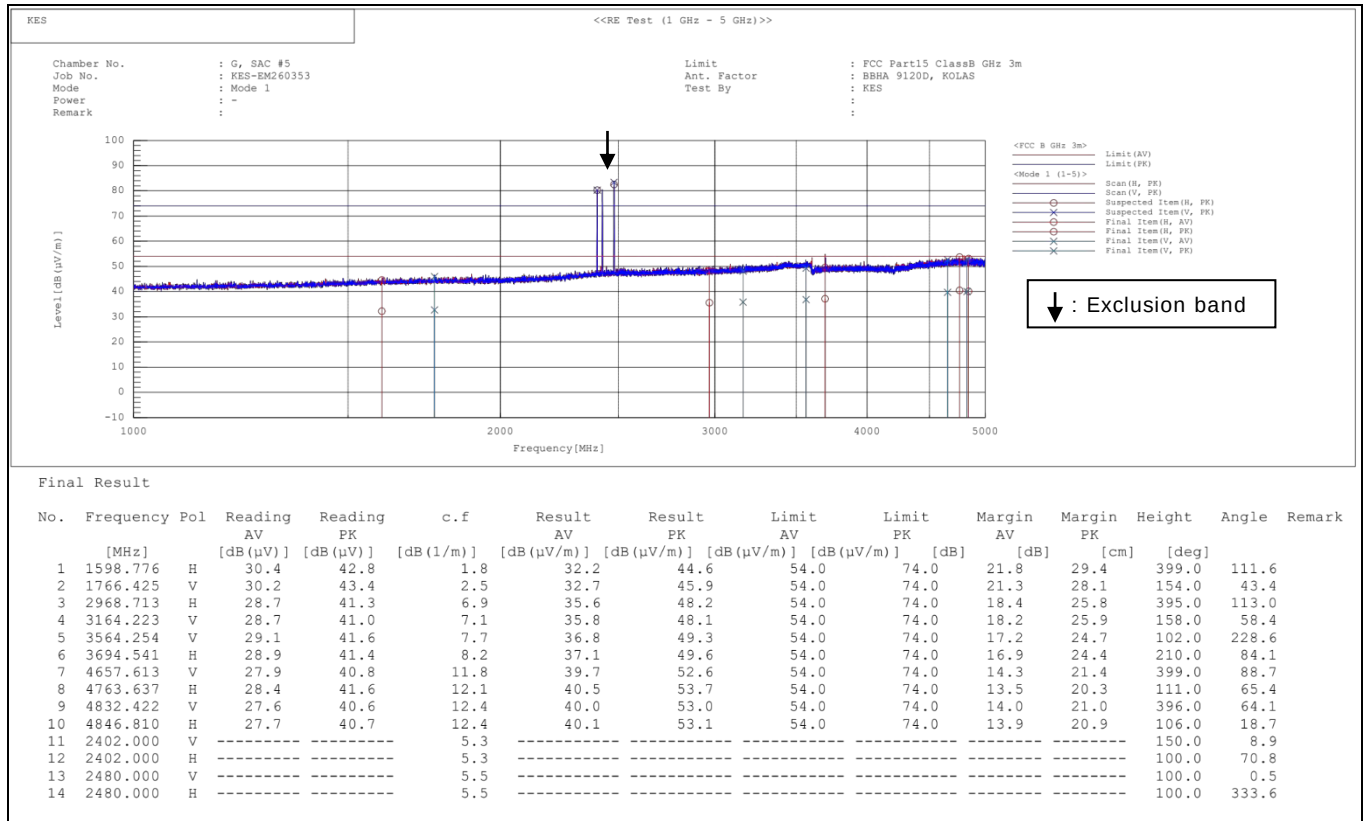
6.3.4 Diagram of test setup





6.3.5 Test Result

- Test Date : 2026-02-08
- Test Mode : Mode 1



- ※ 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.



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○ Test Date : 2026-02-08

● Test Mode : Mode 1

(5 ~ 12.4) 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)
6 567.810	41.700	V	1.000	34.410	9.550	34.830	50.830	74.000	23.170
6 631.500	40.900	H	1.000	34.700	9.970	34.800	50.770	74.000	23.230

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)
6 567.810	28.300	V	1.000	34.410	9.550	34.830	37.430	54.000	16.570
6 631.500	28.000	H	1.000	34.700	9.970	34.800	37.870	54.000	16.130

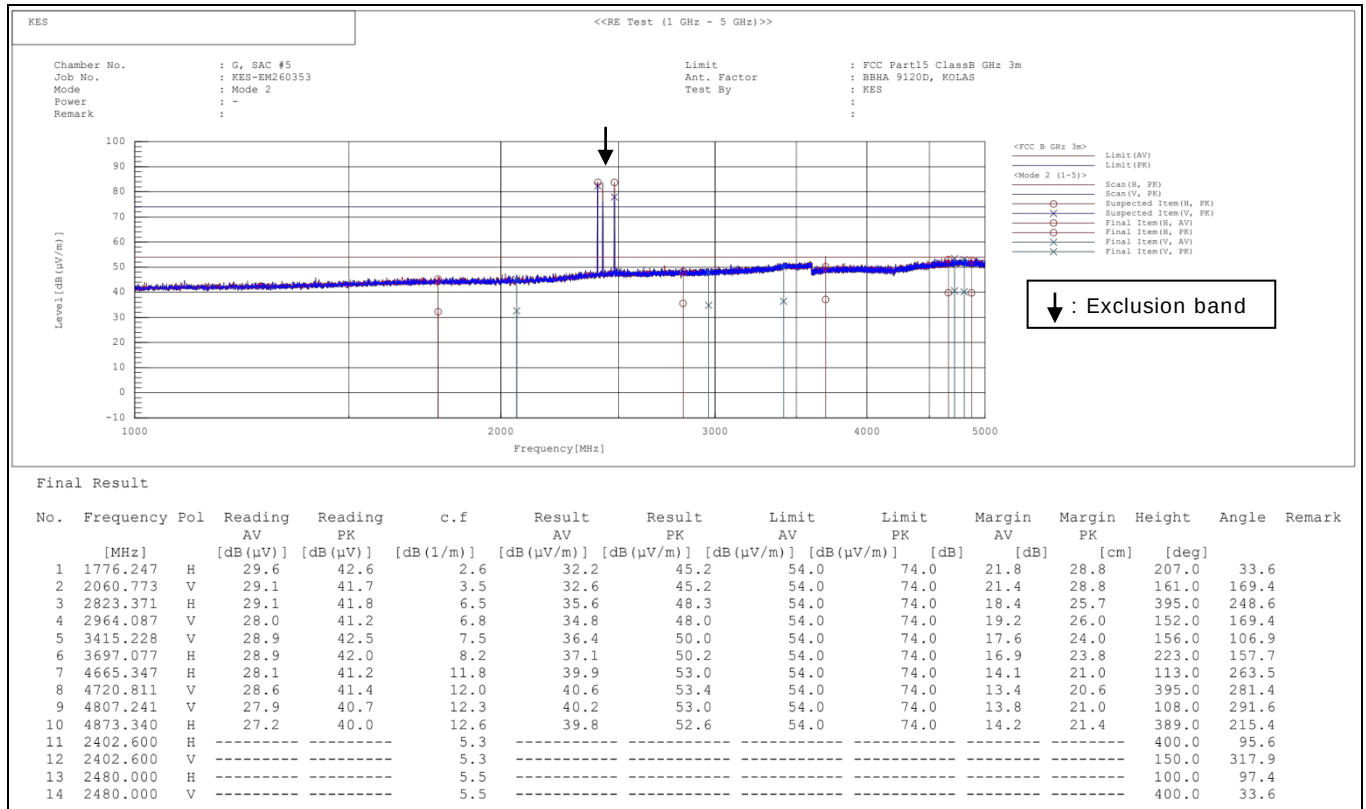
※ No spurious emission were detected above 12.4 GHz



Report No. : KES-EM260353

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- Test Date : 2026-02-08
- Test Mode : Mode 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.



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○ Test Date : 2026-02-08

● Test Mode : Mode 2

(5 ~ 12.4) 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)
5 760.500	40.300	V	1.000	33.050	9.340	33.720	48.970	74.000	25.030
7 059.200	40.500	H	1.000	35.500	10.610	34.450	52.160	74.000	21.840

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)
5 760.500	27.400	V	1.000	33.050	9.340	33.720	36.070	54.000	17.930
7 059.200	27.300	H	1.000	35.500	10.610	34.450	38.960	54.000	15.040

※ No spurious emission were detected above 12.4 GHz

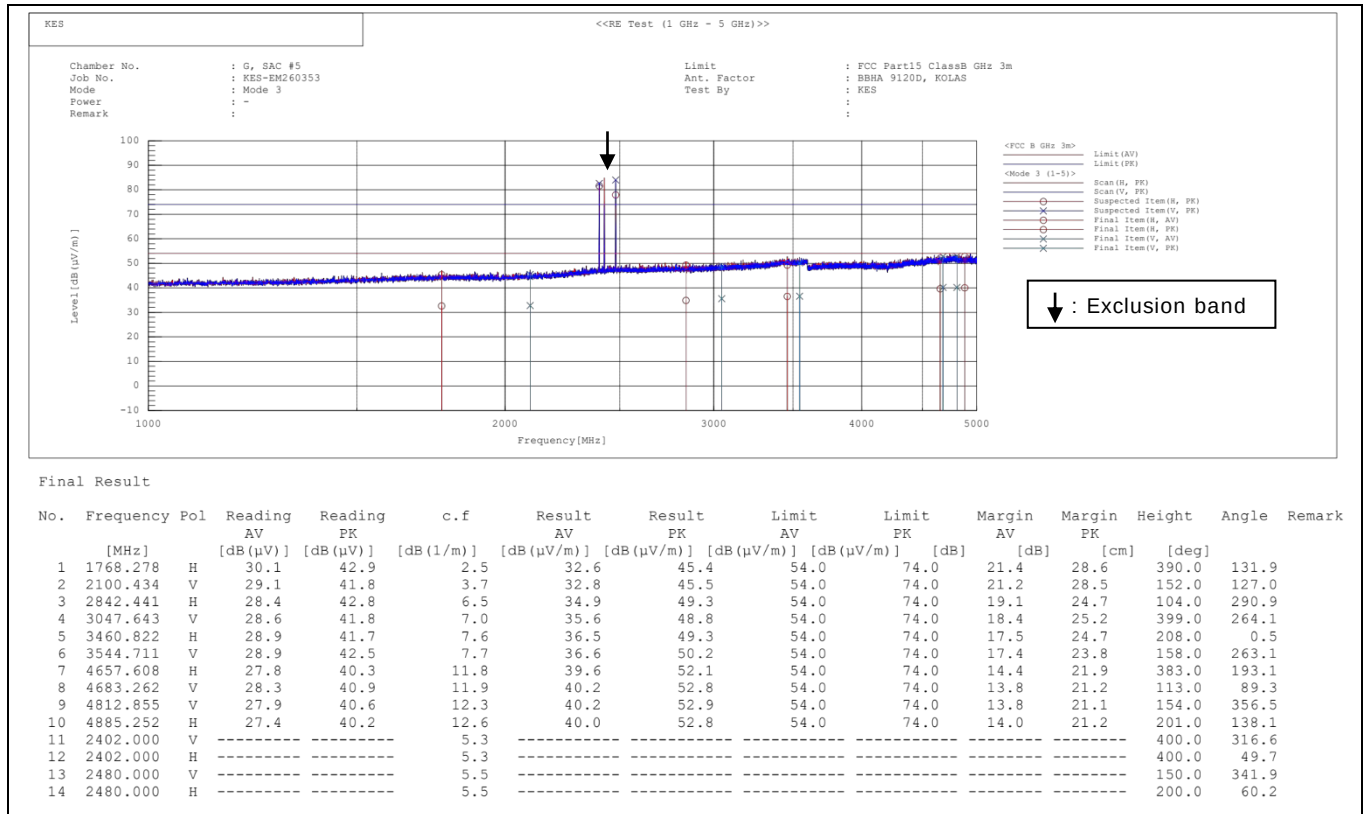


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○ Test Date : 2026-02-08

● Test Mode : Mode 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.



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○ Test Date : 2026-02-08

● Test Mode : Mode 3

(5 ~ 12.4) 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)
5 754.000	39.700	H	1.000	33.020	9.330	33.730	48.320	74.000	25.680
6 671.800	41.000	V	1.000	34.890	10.040	34.790	51.140	74.000	22.860

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)
5 754.000	27.400	H	1.000	33.020	9.330	33.730	36.020	54.000	17.980
6 671.800	28.100	V	1.000	34.890	10.040	34.790	38.240	54.000	15.760

※ No spurious emission were detected above 12.4 GHz

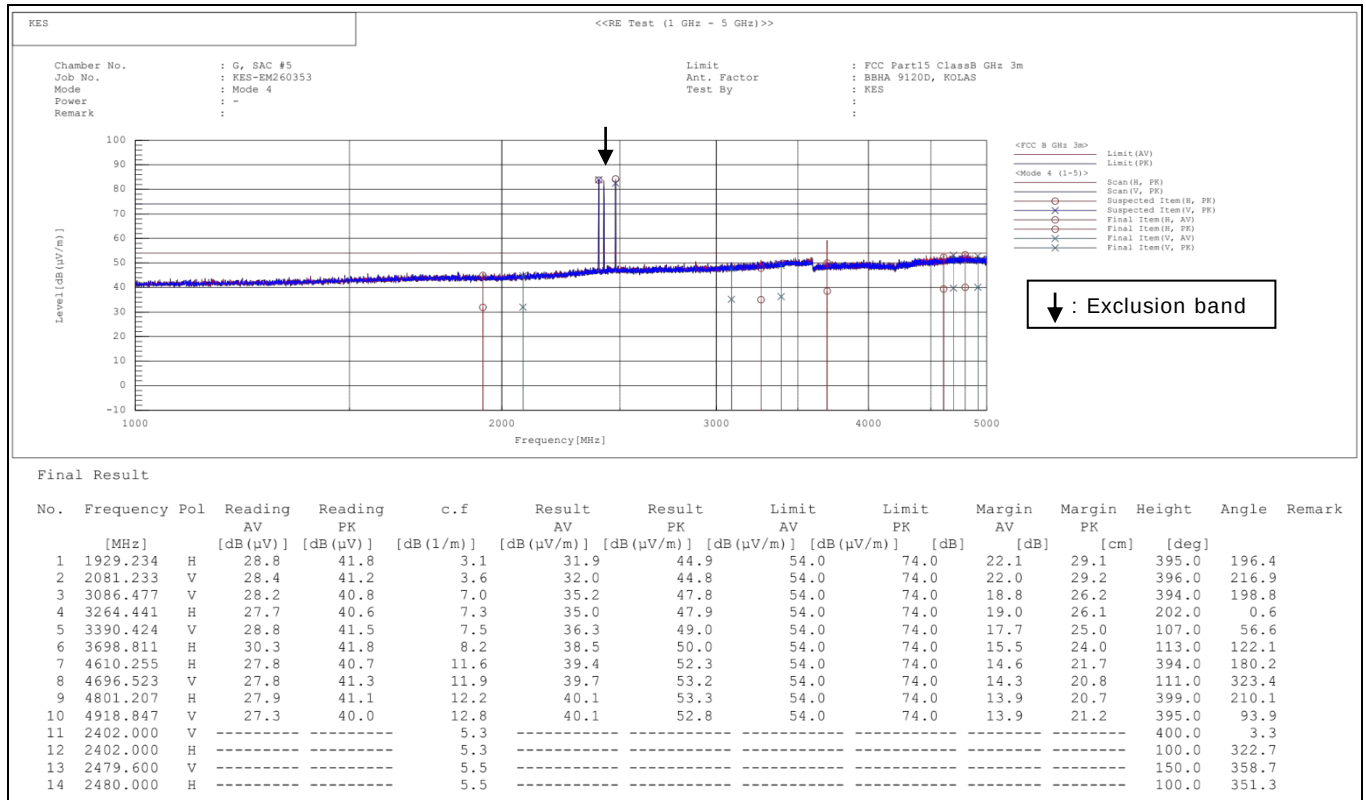


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○ Test Date : 2026-02-08

● Test Mode : Mode 4



※ 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.



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○ Test Date : 2026-02-08

● Test Mode : Mode 4

(5 ~ 12.4) 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)
6 385.800	39.900	V	1.000	34.680	9.800	34.540	49.840	74.000	24.160
6 783.630	41.600	H	1.000	35.400	10.240	34.740	52.500	74.000	21.500

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)
6 385.800	27.000	V	1.000	34.680	9.800	34.540	36.940	54.000	17.060
6 783.630	28.000	H	1.000	35.400	10.240	34.740	38.900	54.000	15.100

※ No spurious emission were detected above 12.4 GHz

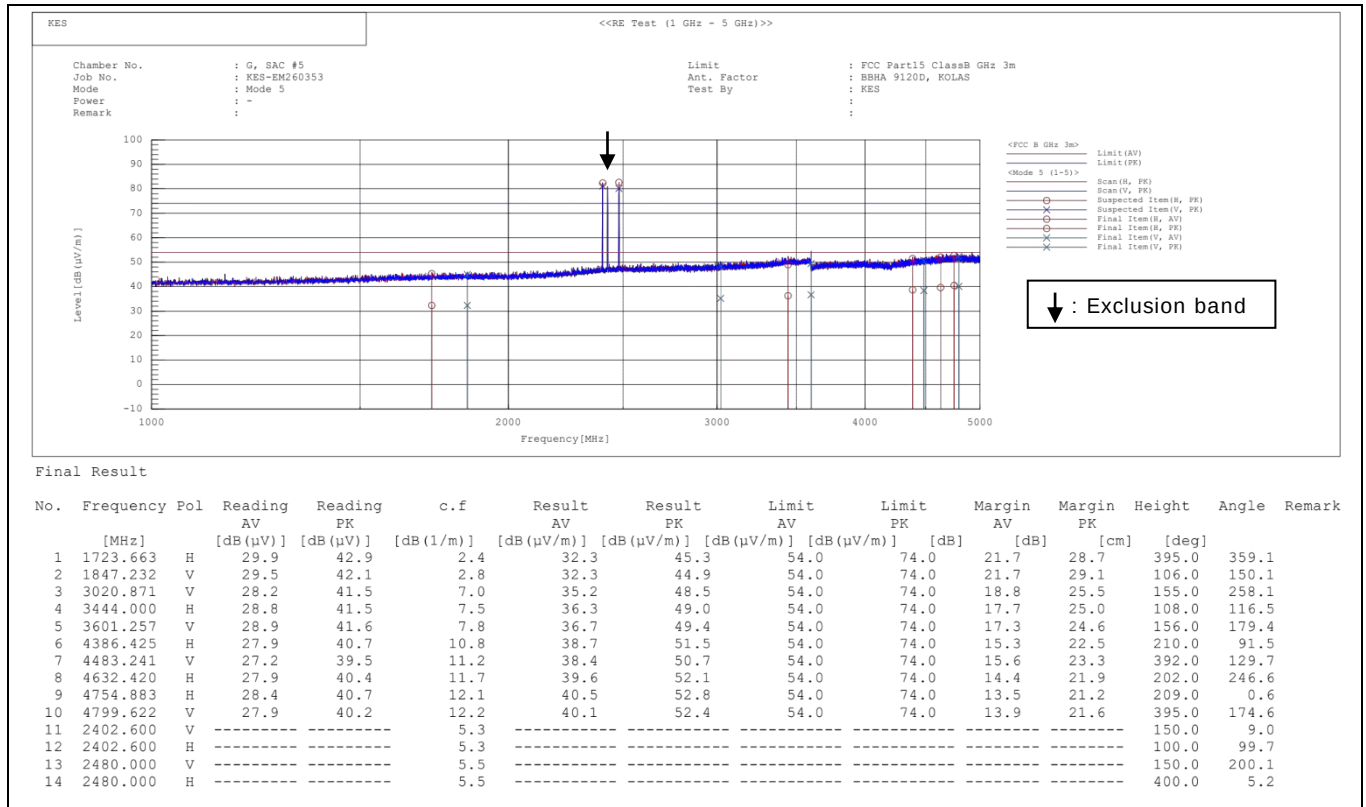


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○ Test Date : 2026-02-08

● Test Mode : Mode 5



※ 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.



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○ Test Date : 2026-02-08

● Test Mode : Mode 5

(5 ~ 12.4) 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)
5 694.200	40.400	H	1.000	32.750	9.220	33.790	48.580	74.000	25.420
6 674.400	40.800	V	1.000	34.900	10.050	34.790	50.960	74.000	23.040

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)
5 694.200	27.000	H	1.000	32.750	9.220	33.790	35.180	54.000	18.820
6 674.400	28.000	V	1.000	34.900	10.050	34.790	38.160	54.000	15.840

※ No spurious emission were detected above 12.4 GHz

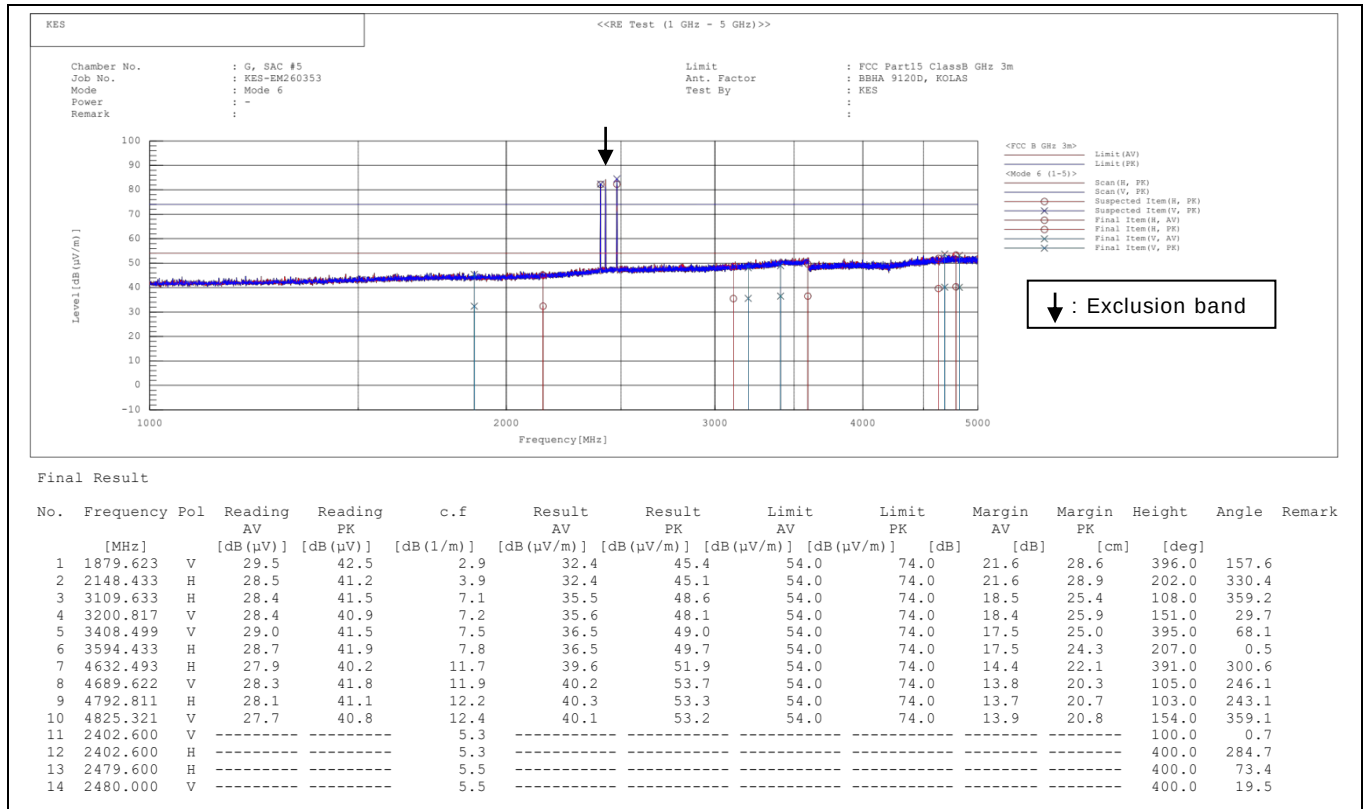


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○ Test Date : 2026-02-08

● Test Mode : Mode 6



※ 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.



○ Test Date : 2026-02-08

● Test Mode : Mode 6

(5 ~ 12.4) 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)
6 571.700	40.400	V	1.000	34.430	9.550	34.830	49.550	74.000	24.450
6 982.500	40.400	H	1.000	36.320	9.790	34.660	51.850	74.000	22.150

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)
6 571.700	27.500	V	1.000	34.430	9.550	34.830	36.650	54.000	17.350
6 982.500	27.500	H	1.000	36.320	9.790	34.660	38.950	54.000	15.050

※ No spurious emission were detected above 12.4 GHz

6.3.6 Remark

Complies with the test requirements.

Mode 1, Mode 2, Mode 3, Mode 4, Mode 5, Mode 6 : (2 402 ~ 2 480) MHz (Exclusion band)

Mode 2, Mode 3, Mode 4 : it was determined that Z orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Z orientation.

Mode 5, Mode 6 : it was determined that X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X orientation.



7 Test Setup Photos and EUT Photographs

7.1 Test Setup Photos



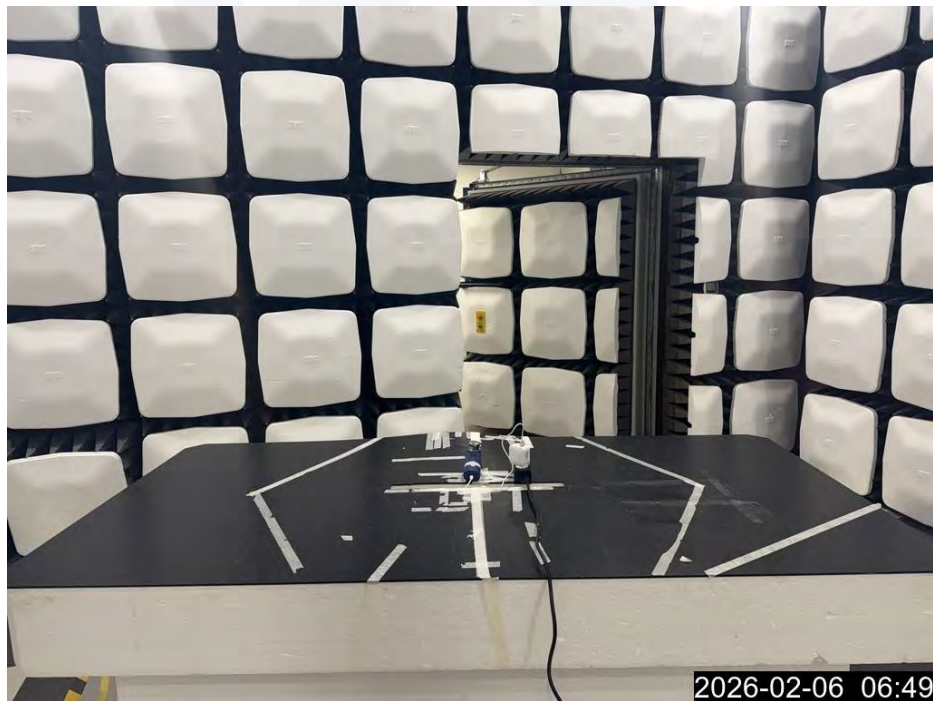
<Conducted Emissions at Mains Power Ports - Front> Mode 1



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



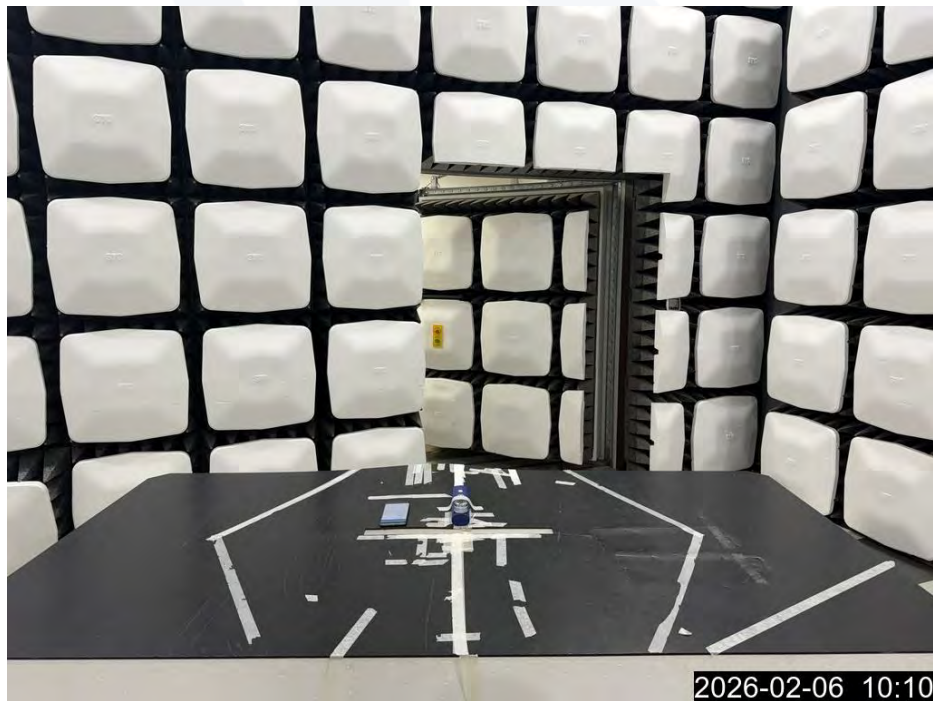
<Radiated Emissions(Below 1 GHz) - Front> Mode 1



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



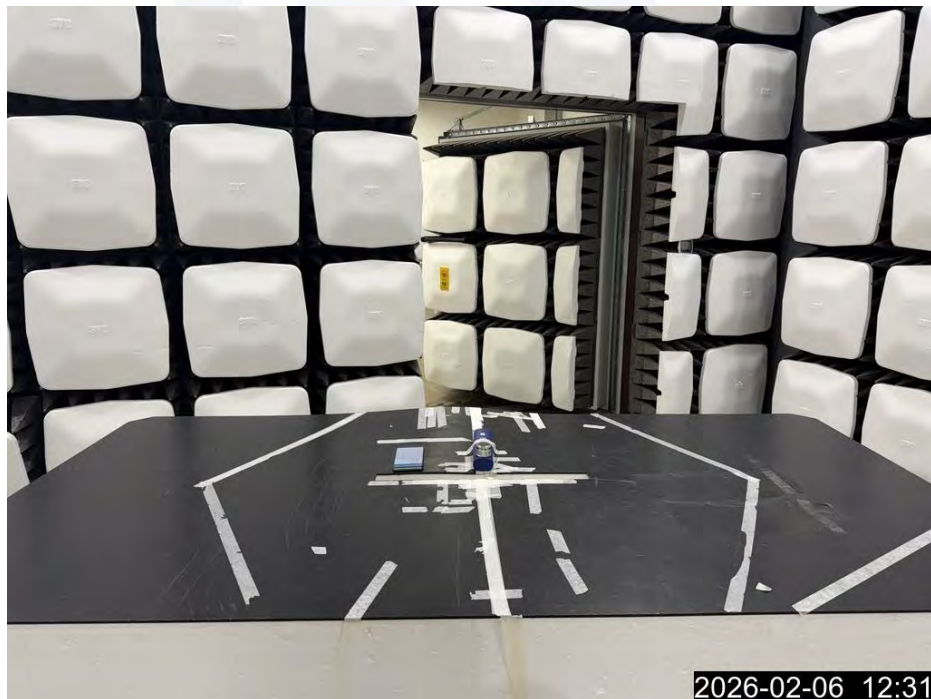
<Radiated Emissions(Below 1 GHz) - Front> Mode 2



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



<Radiated Emissions(Below 1 GHz) - Front> mode 3



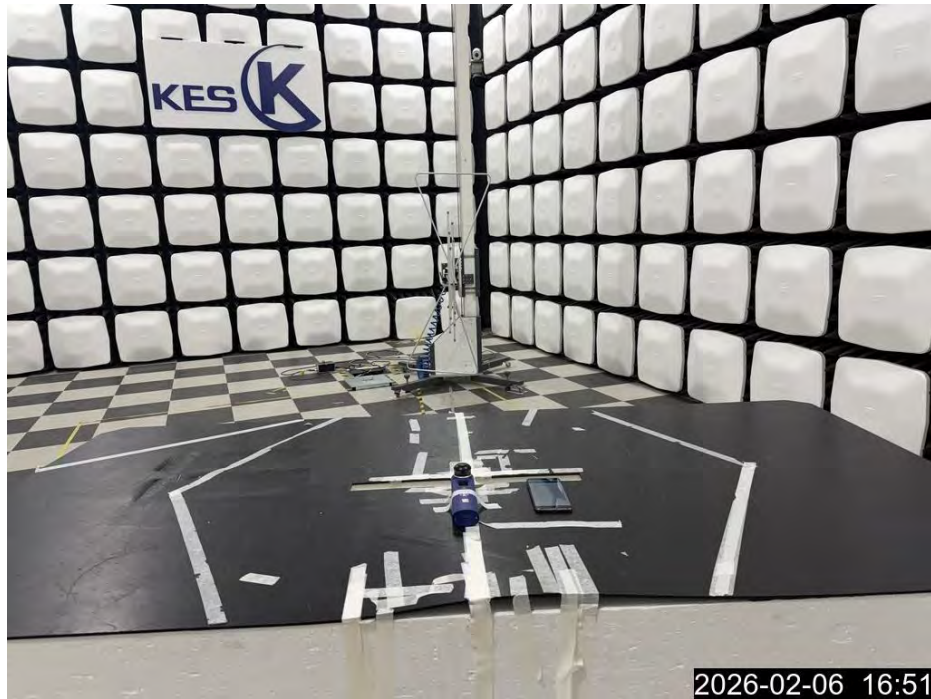
<Radiated Emissions(Below 1 GHz) - Rear> mode 3



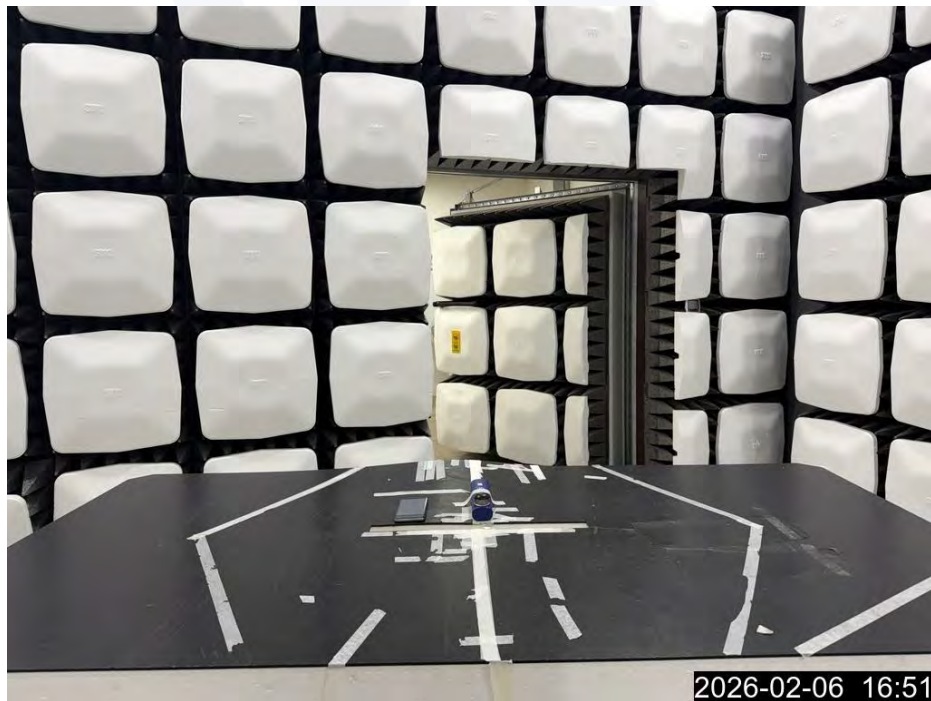
<Radiated Emissions(Below 1 GHz) - Front> Mode 4



<Radiated Emissions(Below 1 GHz) - Rear> Mode 4



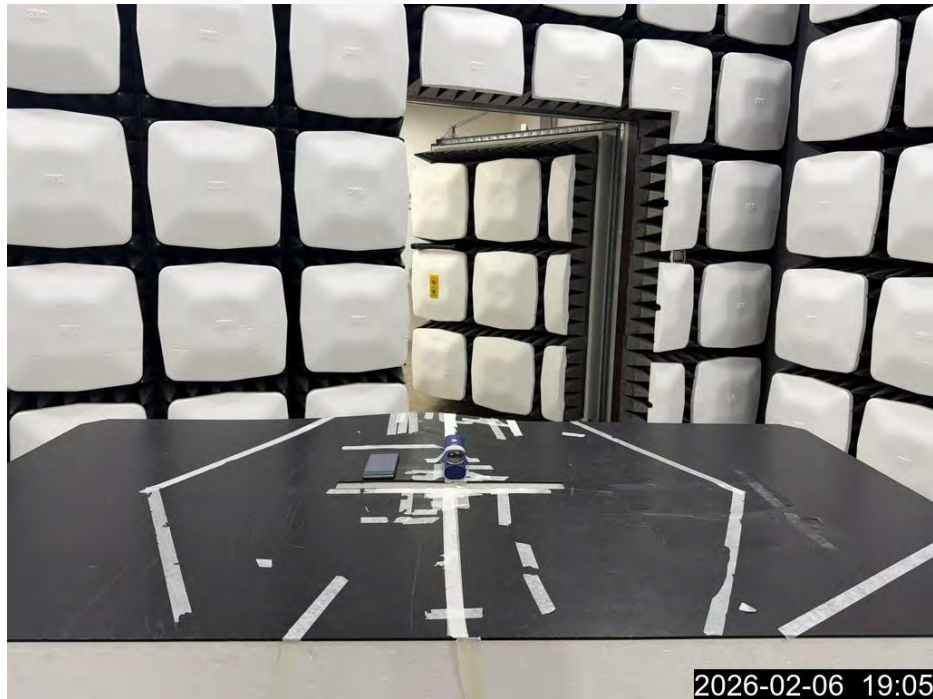
<Radiated Emissions(Below 1 GHz) - Front> Mode 5



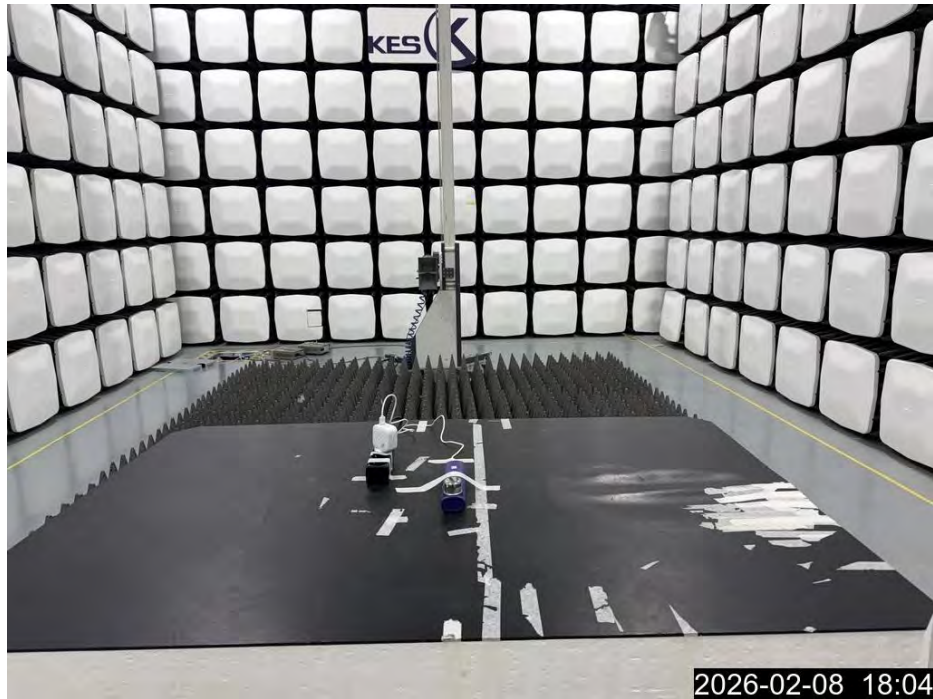
<Radiated Emissions(Below 1 GHz) - Rear> Mode 5



<Radiated Emissions(Below 1 GHz) - Front> Mode 6



<Radiated Emissions(Below 1 GHz) - Rear> Mode 6



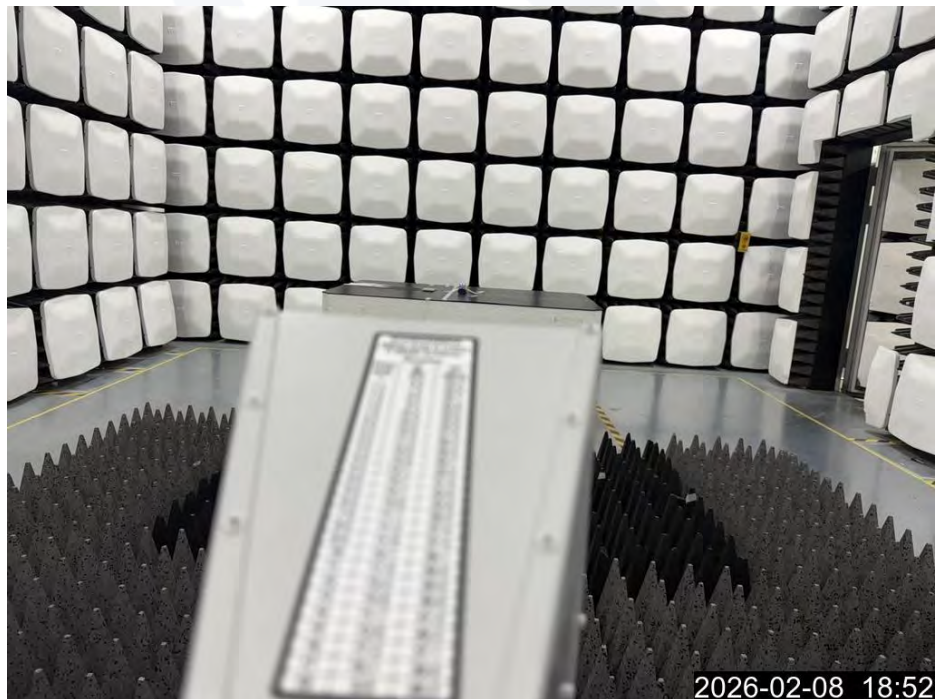
<Radiated Emissions(Above 1 GHz) - Front> Mode 1



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



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



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



<Radiated Emissions(Above 1 GHz) - Front> mode 3



<Radiated Emissions(Above 1 GHz) - Rear> mode 3



<Radiated Emissions(Above 1 GHz) - Front> Mode 4



<Radiated Emissions(Above 1 GHz) - Rear> Mode 4



<Radiated Emissions(Above 1 GHz) - Front> Mode 5



<Radiated Emissions(Above 1 GHz) - Rear> Mode 5



<Radiated Emissions(Above 1 GHz) - Front> Mode 6



<Radiated Emissions(Above 1 GHz) - Rear> Mode 6

The End.