



TEST REPORT



Report No. : KES-EM252527-R1
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1. Client

Applicant : THINKWARE CORPORATION

Applicant Address : A, 9FL., Samwhan Hipex, 240, Pangyoyeok-ro, Bundang-gu,
Seongnam-si, Gyeonggi-do, South Korea

2. Sample Description

Product name : Rear Camera

Model/Type No. : BCQH-600

Variant Model : -

Manufacturer : THINKWARE CORPORATION

Manufacturer Address : A, 9FL., Samwhan Hipex, 240, Pangyoyeok-ro, Bundang-gu,
Seongnam-si, Gyeonggi-do, South Korea

3. FCC ID : 2ADTG-BCQH600

4. Date of Receipt : Jul. 16, 2025

5. Test date : Jul. 29, 2025 ~ Jul. 30, 2025

6. Date of Issue : Sep. 12, 2025

7. Test Results : In Compliance

Tested by

Reviewed by

Eun Gu, Jeon
EMC Test Engineer

Dong Hun, Jang
EMC Technical Manager

This test report is not related to KS Q ISO/IEC 17025 and KOLAS.



REPORT REVISION HISTORY

Date	Test Report No.	Revision History
Aug. 06, 2025	KES-EM252527	Issued
Sep. 12, 2025	KES-EM252527-R1	Add FCC ID

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1.0 General Product Description

Main Specifications of EUT are:

Item		Issue
Highest internal Frequency		59 ~ 64 GHz
Power		DC 5 V
Test Power		DC 12 V
I/O Port		Mini USB-B 1 EA
Management Port		N/A
Function	Product Features	Rear Camera
	Wireless Function	Radar
Components		EUT 1 EA, Cable 1 EA



1.1 Test Voltage & Frequency

Unless indicated otherwise on the individual data sheet or test results, the test voltage and frequency was as indicated below.

☒ DC 12 V ☐ DC 24 V

1.2 Variant Model Differences

Not applicable

1.3 Device Modifications

Not applicable

1.4 Equipment Under Test

Description	Model Number	Serial Number	Manufacturer	Remarks
Rear Camera	BCQH-600	-	THINKWARE CORPORATION	EUT

1.5 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
CAR DASH CAM	U3000 PRO	-	THINKWARE CORPORATION	-
Micro SD Card	-	-	THINKWARE CORPORATION	-
CELL PHONE	SM-N960N	-	SAMSUNG	-
BCFH-1U (3CH)	BCFH-1U		DEEPFLY Co.,Ltd.	-
GPS Antenna	-	-	THINKWARE CORPORATION	-
Battery Pack	-	-	THINKWARE CORPORATION	-



1.6 External I/O Cabling

■ Mode 1

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
Rear Camera (EUT)	Mini USB-B	CAR DASH CAM	Mini USB-B	7.0	U
CAR DASH CAM	DC IN	DC POWER	Line	3.0	U
	Micro SD Slot	Micro SD Card	Micro SD Slot	-	-
	Wireless	CELL PHONE	Wireless	-	-
	GPS IN	GPS Antennal	2.5 mm	0.3	U
	USB TYPE-C	BCFH-1U (3CH)	Micro 5 Pin	3.0	U
	2.5 mm	Battery Pack	Line	7.0	U

* Unshielded=U, Shielded=S

■ mode 2

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
Rear Camera (EUT)	Mini USB-B	CAR DASH CAM	Mini USB-B	7.0	U
CAR DASH CAM	DC IN	DC POWER	Line	3.0	U
	Micro SD Slot	Micro SD Card	Micro SD Slot	-	-
	GPS IN	GPS Antenna	2.5 mm	0.3	U
	USB TYPE-C	BCFH-1U (3CH)	Micro 5 Pin	3.0	U
	2.5 mm	Battery Pack	Line	7.0	U

* Unshielded=U, Shielded=S



1.7 EUT Operating Mode(s)

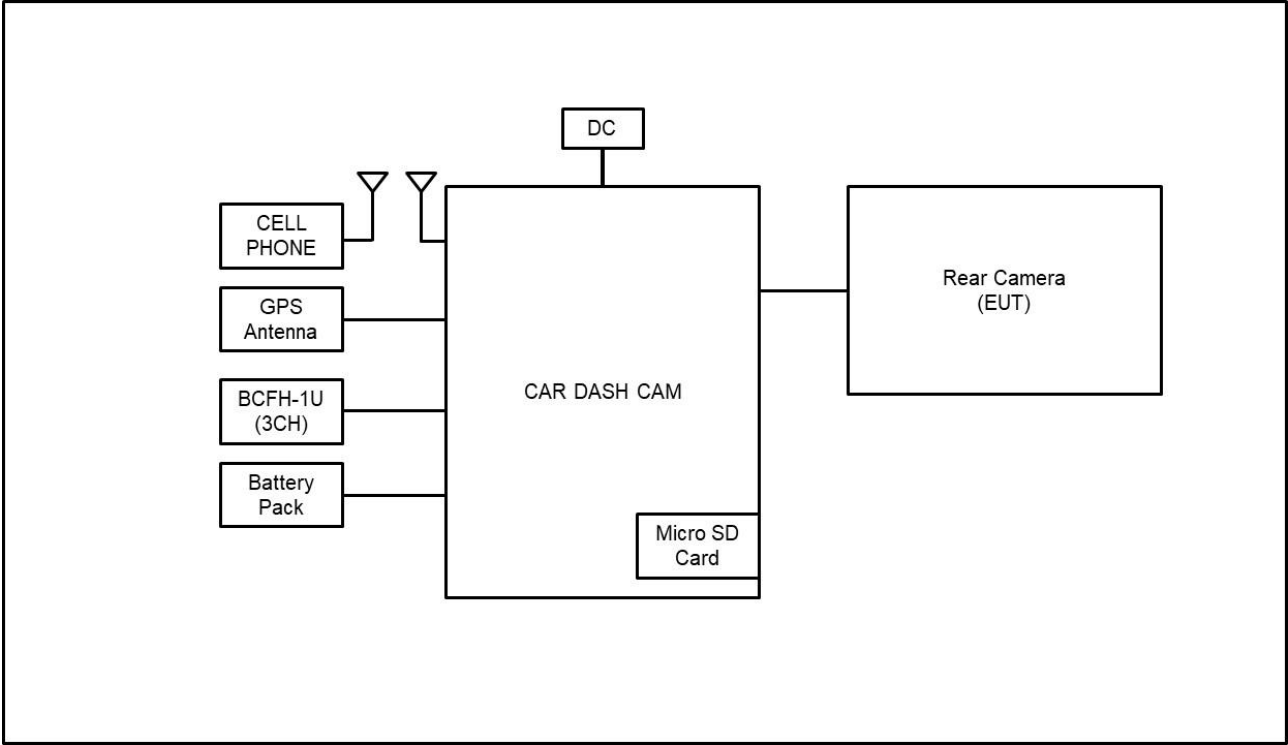
Test mode	Division	Normal operating
Mode 1	Rear Camera Recording	1. The CELL PHONE and CAR DASH CAM are connected (via Bluetooth and Wi-Fi) using the Inavi Blackbox LINK app. 2. Test while checking real-time video and recording of EUT on CELL PHONE.
Mode 2	Parking Recording (Radar)	1. After switching the EUT to parking mode, Tested in motion detection and parking recording status. 2. After testing, check the file saved on the micro SD card to confirm whether the EUT video was recorded normally.

EUT Test operating S/W		
Name	Version	Manufacture Company
Inavi Blackbox LINK	1.4.0	THINKWARE CORPORATION

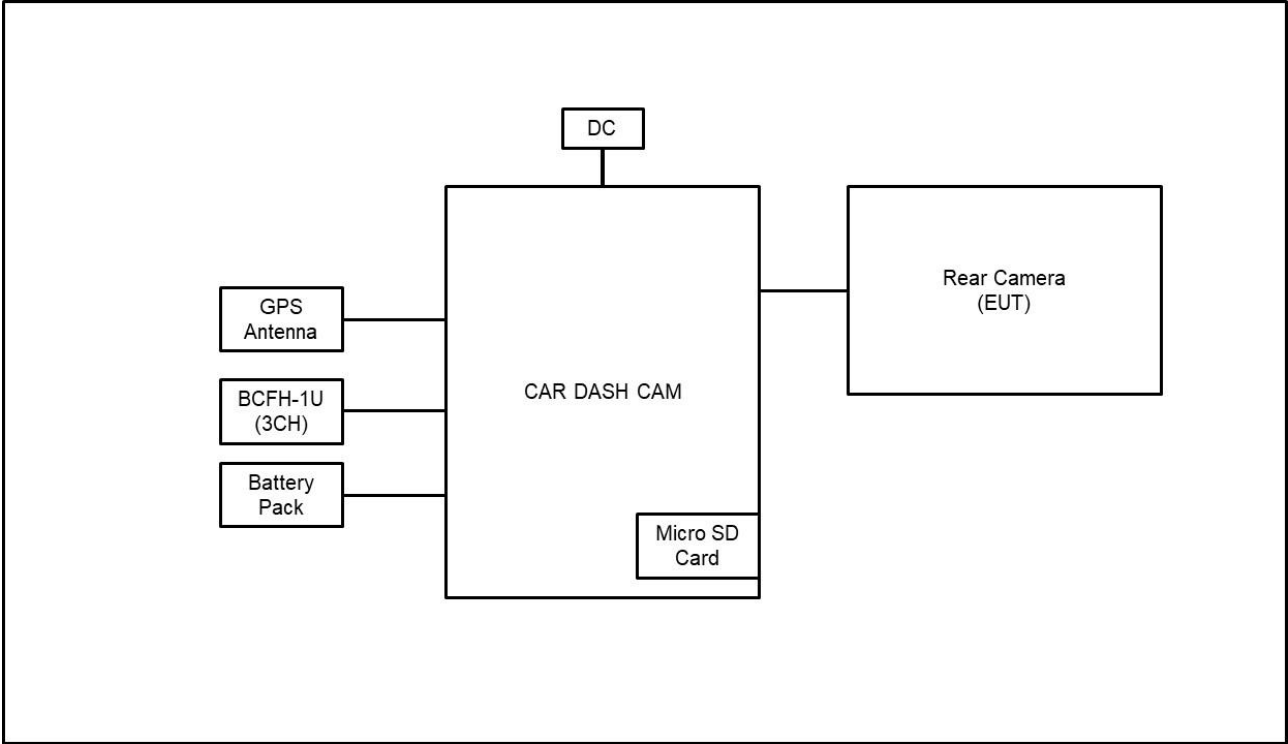


1.8 Configuration

■ Mode 1



■ Mode 2





1.9 Remarks when standards applied

N/A

1.10 Calibration Details of Equipment Used for Measurement

Test equipment and test accessories are calibrated on regular basis. The maximum time between calibrations is one year or what is recommended by the manufacturer, whichever is less.

1.11 Test Facility

The measurement facility is located at 473-21, Gayeo-ro, 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

1.12 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 C63.4-2014 7.3.3, 7.3.4, 8.3.1.1, 8.3.1.2, 8.3.2.1, 8.3.2.2

**1.13 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



2.0 Test Regulations

The emissions tests were performed according to following regulations:

☒ **47 CFR Part 15, Subpart B**

☐ CISPR 22:2009 +A1:2010

☐ Class A

☐ Class B

☒ ANSI C63.4a-2017

☐ Class A

☒ Class B

☒ **IC Regulation ICES-003 Issue 7**

☐ CAN/CSA-CISPR 32:17

☐ Class A

☐ Class B

☒ ANSI C63.4a-2017

☐ Class A

☒ Class B



2.1 Conducted Emissions at Mains Power Ports

Test Date

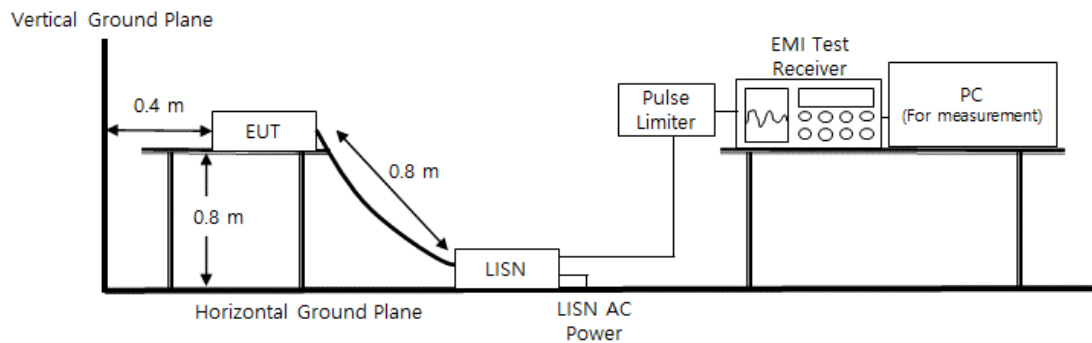
N/A

Test Location

Electro wave Shieldroom #6

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due	calibration interval
☐	EMI Test S/W	EMC32	R & S	9.12.00	-	-
☐	EMI TEST RECEIVER	ESR3	R & S	101783	11, 06, 2025	1 Year
☐	LISN	ENV216	R & S	101786	01, 09, 2026	1 Year
☐	ARTIFICIAL MAINS NETWORK	ESH2-Z5	R & S	100450	11, 06, 2025	1 Year
☐	PULSE LIMITER	ESH3-Z2	R & S	101915	11, 06, 2025	1 Year

Diagram of test setup



Test Conditions

Temperature: °C
Relative Humidity: % R.H.

Frequency Range of Measurement

150 kHz to 30 MHz

Instrument Settings

IF Band Width: 9 kHz

Test Results

The requirements are:

- ☐ PASS
- ☐ NOT PASS
- ☒ NOT APPLICABLE

Remarks

The EUT is powered by DC 12 V, not applicable



2.2 Radiated Electric Field Emissions(Below 1 GHz)

Test Date

Jul. 29, 2025

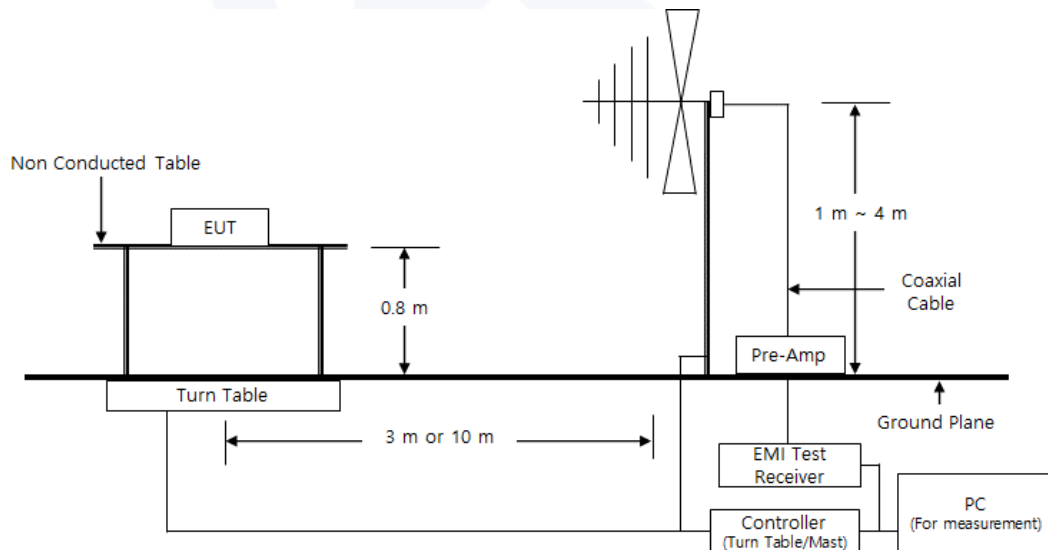
Test Location

☐ OPEN AREA TEST SITE #2☒ SEMI ANECHOIC CHAMBER #6

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due	calibration interval
☒	EMI Test S/W	ES10/RE	TOYO Corporation	2022.01.000	-	-
☒	EMI TEST RECEIVER	ESR7	R & S	101190	04, 30, 2026	1 Year
☒	AMPLIFIER	310N	SONOMA INSTRUMENT	401123	02, 13, 2026	1 Year
☒	TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	714	04, 19, 2026	2 Year
☒	ATTENUATOR	6806.17.A	HUBER+SUHNER	-	02, 13, 2026	1 Year

Diagram of test setup





Test Conditions

Temperature: $(25,6 \pm 0,1) ^\circ\text{C}$
Relative Humidity: $(40,7 \pm 0,1) \% \text{ R.H.}$

Frequency Range of Measurement

30 MHz to 1 GHz

Instrument Settings

IF Band Width: 120 kHz

Test Results

The requirements are:

- ☒ PASS
- ☐ NOT PASS
- ☐ NOT APPLICABLE

Remarks

See Appendix A for test data.





2.3 Radiated Electric Field Emissions(Above 1 GHz)

Test Date

Jul. 30, 2025

Test Location

SEMI ANECHOIC CHAMBER #5

Test Equipment

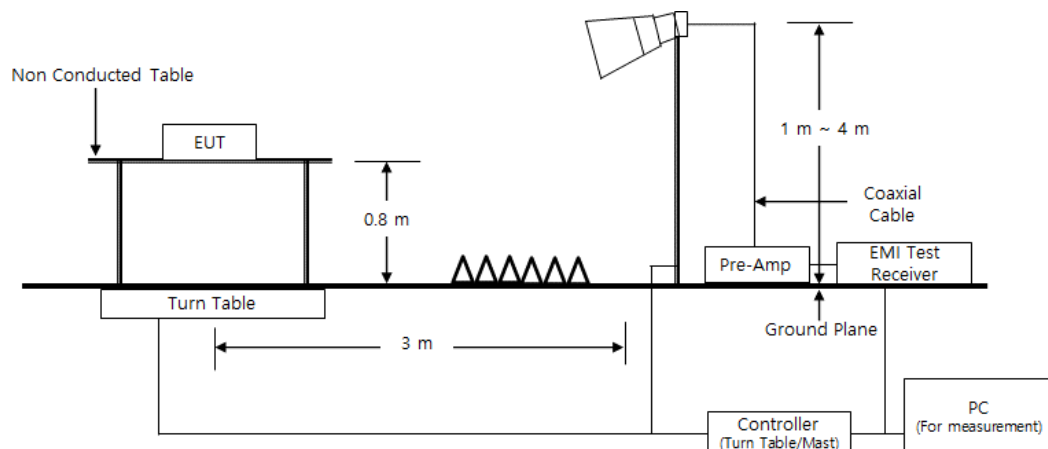
(1 GHz ~ 18 GHz)

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due	calibration interval
☒	EMI Test S/W	ES10/RE	TOYO Corporation	2022.01.000	-	-
☒	EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	02, 13, 2026	1 Year
☒	HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1802	11, 04, 2025	1 Year
☒	PREAMPLIFIER	8449B	HP	3008A00538	04, 30, 2025	1 Year
☒	ATTENUATOR	8491B	HP	23094	02, 13, 2026	1 Year

(18 GHz ~ 40 GHz)

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due	calibration interval
☒	SPECTRUM ANALYZER	FSV40	R&S	101725	06, 12, 2025	1 Year
☒	HORN ANTENNA	BBHA9170	Schwarzbeck	BBHA9170551	01, 13, 2026	1 Year
☒	BROADBAND AMPLIFIER	BBV9721	SCHWARZBECK	PS9721-003	01, 09, 2026	1 Year

Diagram of test setup





Test Conditions

Temperature: (26,8 ± 0,1)°C
Relative Humidity: (51,4 ± 0,1) % R.H.

Frequency Range of Measurement

1 GHz to 40 GHz

Instrument Settings

IF Band Width: 1 MHz

Test Results

The requirements are:

- ☒ PASS
- ☐ NOT PASS
- ☐ NOT APPLICABLE

Remarks

See Appendix A for test data.

The Average of the test data is the cispr average result.



APPENDIX A – TEST DATA

Conducted Emissions at Mains Power Ports

HOT LINE

N/A



NEUTRAL LINE

N/A

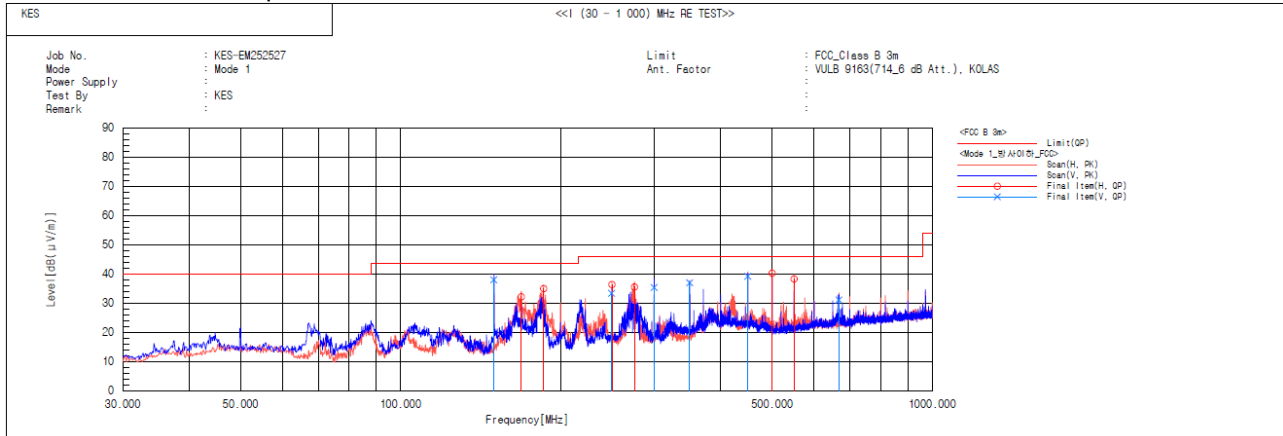
◆ Calculation

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

QuasiPeak / CAverage : The Final Value

Reading Value : Not shown in the table.

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

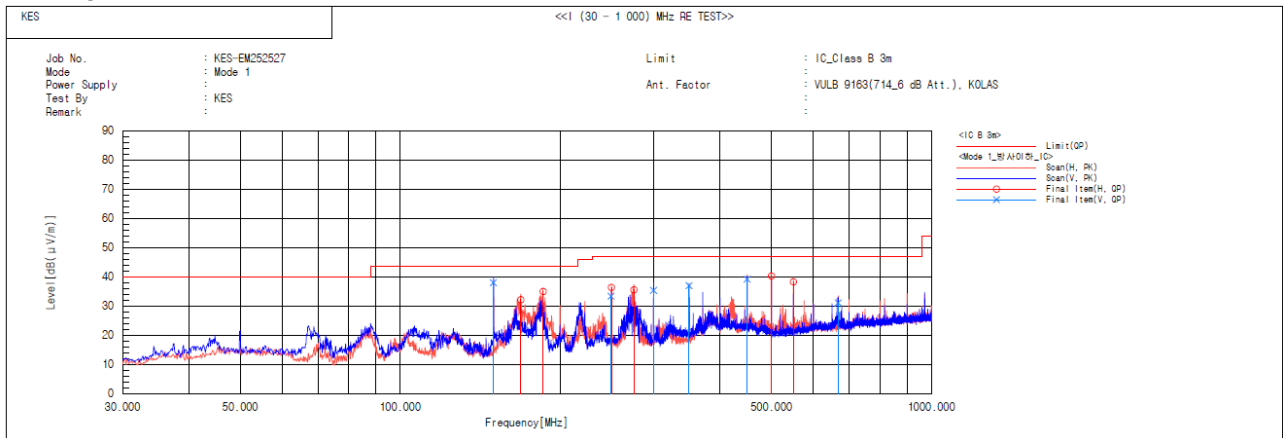
**Radiated Electric Field Emissions(Below 1 GHz)****■ Mode 1****- 47 CFR Part 15, Subpart B****Final Result**

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	149.721	V	55.1	-17.1	38.0	43.5	5.5	133.0	107.7	
2	168.714	H	47.8	-15.6	32.2	43.5	11.3	247.0	357.7	
3	185.852	H	49.3	-14.3	35.0	43.5	8.5	196.0	0.3	
4	249.395	V	45.1	-11.7	33.4	46.0	12.6	173.0	306.5	
5	249.948	H	48.1	-11.7	36.4	46.0	9.6	298.0	139.3	
6	275.531	H	46.6	-11.0	35.6	46.0	10.4	244.0	139.3	
7	300.024	V	45.9	-10.5	35.4	46.0	10.6	158.0	174.3	
8	349.979	V	45.4	-8.4	37.0	46.0	9.0	127.0	286.9	
9	450.010	V	46.2	-7.0	39.2	46.0	6.8	113.0	330.4	
10	499.965	H	45.8	-5.5	40.3	46.0	5.7	316.0	76.1	
11	550.041	H	43.1	-4.8	38.3	46.0	7.7	372.0	183.5	
12	668.260	V	33.9	-2.8	31.1	46.0	14.9	147.0	18.0	



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Final Result

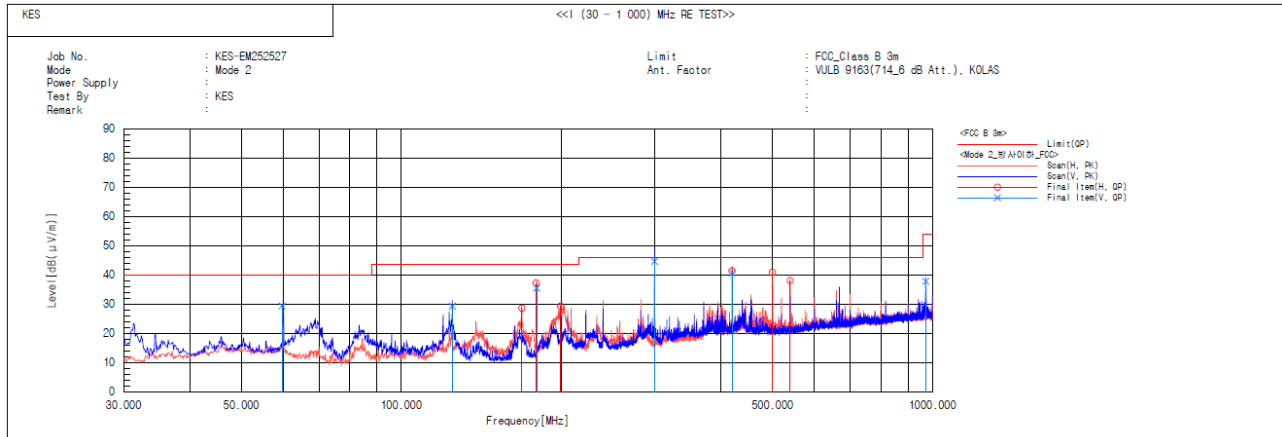
No.	Frequency	Pol	Reading	c.f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		QP		QP	QP	QP			
			[dB (μV)]	[dB (1/m)]	[dB (μV/m)]	[dB (μV/m)]	[dB]	[cm]	[deg]	
1	149.721	V	55.1	-17.1	38.0	43.5	5.5	133.0	107.7	
2	168.714	H	47.8	-15.6	32.2	43.5	11.3	247.0	357.7	
3	185.852	H	49.3	-14.3	35.0	43.5	8.5	196.0	0.3	
4	249.395	V	45.1	-11.7	33.4	47.0	13.6	173.0	306.5	
5	249.948	H	48.1	-11.7	36.4	47.0	10.6	298.0	139.3	
6	275.531	H	46.6	-11.0	35.6	47.0	11.4	244.0	139.3	
7	300.024	V	45.9	-10.5	35.4	47.0	11.6	158.0	174.3	
8	349.979	V	45.4	-8.4	37.0	47.0	10.0	127.0	286.9	
9	450.010	V	46.2	-7.0	39.2	47.0	7.8	113.0	330.4	
10	499.965	H	45.8	-5.5	40.3	47.0	6.7	316.0	76.1	
11	550.041	H	43.1	-4.8	38.3	47.0	8.7	372.0	183.5	
12	668.260	V	33.9	-2.8	31.1	47.0	15.9	147.0	18.0	



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■ Mode 2

- 47 CFR Part 15, Subpart B



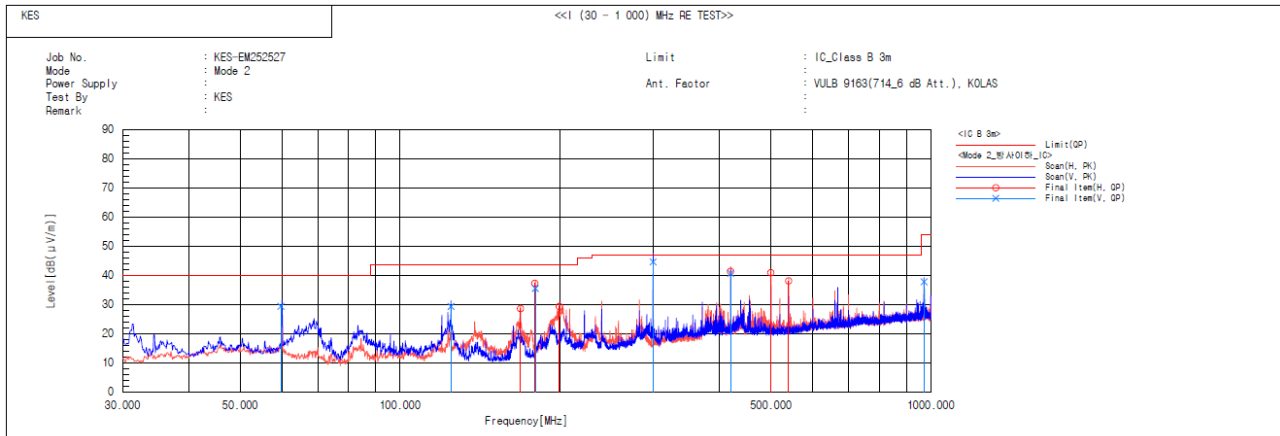
Final Result

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	59.621	V	42.9	-13.5	29.4	40.0	10.6	143.0	148.4	
2	124.818	V	44.9	-15.6	29.3	43.5	14.2	135.0	216.0	
3	168.710	H	44.2	-15.6	28.6	43.5	14.9	202.0	100.2	
4	179.581	H	52.1	-14.8	37.3	43.5	6.2	271.0	77.3	
5	179.986	V	50.2	-14.7	35.5	43.5	8.0	121.0	126.2	
6	199.629	H	42.7	-13.4	29.3	43.5	14.2	306.0	100.2	
7	300.024	V	55.1	-10.5	44.6	46.0	1.4	162.0	305.7	
8	419.612	H	48.9	-7.5	41.4	46.0	4.6	233.0	123.5	
9	419.940	V	48.2	-7.5	40.7	46.0	5.3	155.0	126.2	
10	499.724	H	46.4	-5.5	40.9	46.0	5.1	316.0	100.2	
11	539.978	H	43.1	-5.0	38.1	46.0	7.9	182.0	236.1	
12	972.113	V	35.8	2.0	37.8	54.0	16.2	138.0	0.0	



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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	59.621	V	42.9	-13.5	29.4	40.0	10.6	143.0	148.4	
2	124.818	V	44.9	-15.6	29.3	43.5	14.2	135.0	216.0	
3	168.710	H	44.2	-15.6	28.6	43.5	14.9	202.0	100.2	
4	179.581	H	52.1	-14.8	37.3	43.5	6.2	271.0	77.3	
5	179.986	V	50.2	-14.7	35.5	43.5	8.0	121.0	126.2	
6	199.629	H	42.7	-13.4	29.3	43.5	14.2	306.0	100.2	
7	300.024	V	55.1	-10.5	44.6	47.0	2.4	162.0	305.7	
8	419.612	H	48.9	-7.5	41.4	47.0	5.6	233.0	123.5	
9	419.940	V	48.2	-7.5	40.7	47.0	6.3	155.0	126.2	
10	499.724	H	46.4	-5.5	40.9	47.0	6.1	316.0	100.2	
11	539.978	H	43.1	-5.0	38.1	47.0	8.9	182.0	236.1	
12	972.113	V	35.8	2.0	37.8	54.0	16.2	138.0	0.0	

◆ Calculation

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

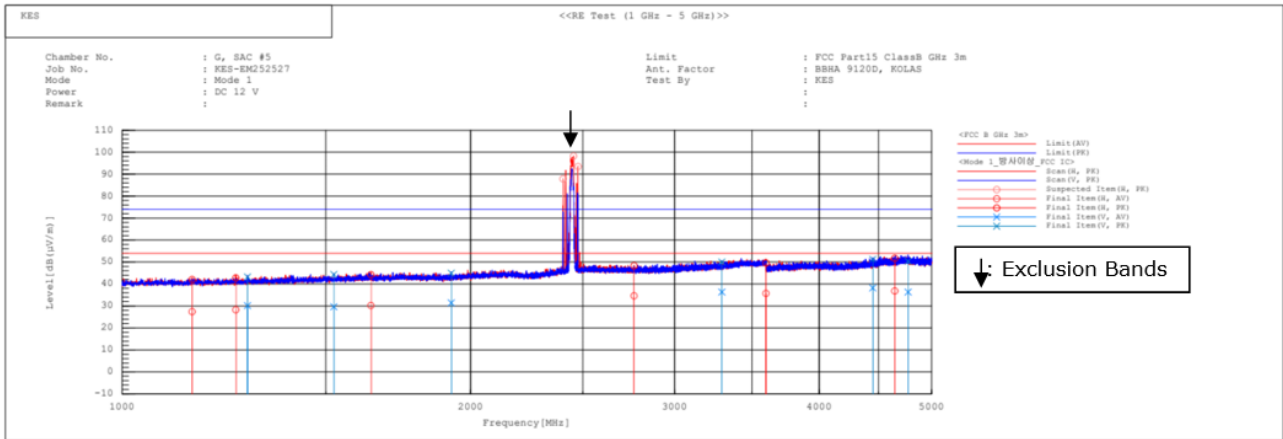
Reading(QP) : Reading value, Result(QP) : Reading value + Factor value

Limit(QP) : Limit value, c.f : (ANT Factor + Cable Loss – Preamp Factor), Margin: Margin value

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

■ Mode 1

(1 ~ 5)GHz

**Final Result**

No.	Frequency [MHz]	Pol	Reading AV [dB(μV)]	Reading PK [dB(μV)]	c.f [dB(l/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	1149.604	H	28.3	42.9	-0.9	27.4	42.0	54.0	74.0	26.6	32.0	281.0	303.1	
2	1253.653	H	28.6	43.1	-0.3	28.3	42.8	54.0	74.0	25.7	31.2	241.0	142.1	
3	1283.385	V	30.2	43.3	-0.1	30.1	43.2	54.0	74.0	23.9	30.8	119.0	46.5	
4	1524.074	V	28.4	43.1	1.2	29.6	44.3	54.0	74.0	24.4	29.7	121.0	134.1	
5	1640.455	H	28.5	42.5	1.7	30.2	44.2	54.0	74.0	23.8	29.8	184.0	127.3	
6	1924.833	V	28.7	42.2	2.7	31.4	44.9	54.0	74.0	22.6	29.1	148.0	357.8	
7	2768.094	H	28.8	42.5	5.8	34.6	48.3	54.0	74.0	19.4	25.7	313.0	329.9	
8	3296.282	V	29.4	43.1	6.9	36.3	50.0	54.0	74.0	17.7	24.0	100.0	278.5	
9	3597.621	H	28.2	42.1	7.5	35.7	49.6	54.0	74.0	18.3	24.4	391.0	352.9	
10	4448.492	V	27.5	40.5	10.7	38.2	51.2	54.0	74.0	15.8	22.6	118.0	144.8	
11	4648.404	H	25.4	40.3	11.4	36.8	51.7	54.0	74.0	17.2	22.3	175.0	219.3	
12	4773.662	V	24.6	38.6	11.7	36.3	50.3	54.0	74.0	17.7	23.7	109.0	3.6	
13	2403.200	H	-----	-----	4.7	-----	-----	-----	-----	-----	-----	100.0	306.9	
14	2454.000	H	-----	-----	4.9	-----	-----	-----	-----	-----	-----	100.0	78.6	
15	2476.000	H	-----	-----	4.9	-----	-----	-----	-----	-----	-----	100.0	90.2	

Exclusion bands

Fundamental Frequency : 2 402 MHz ~ 2 480 MHz



(5 ~ 40)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)
7 052.400	41.600	V	1.000	35.590	10.590	34.490	53.290	74.000	20.710
7 888.300	39.900	H	1.000	36.810	11.230	33.930	54.010	74.000	19.990

- 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)
7 052.400	27.100	V	1.000	35.590	10.590	34.490	38.790	54.000	15.210
7 888.300	24.500	H	1.000	36.810	11.230	33.930	38.610	54.000	15.390

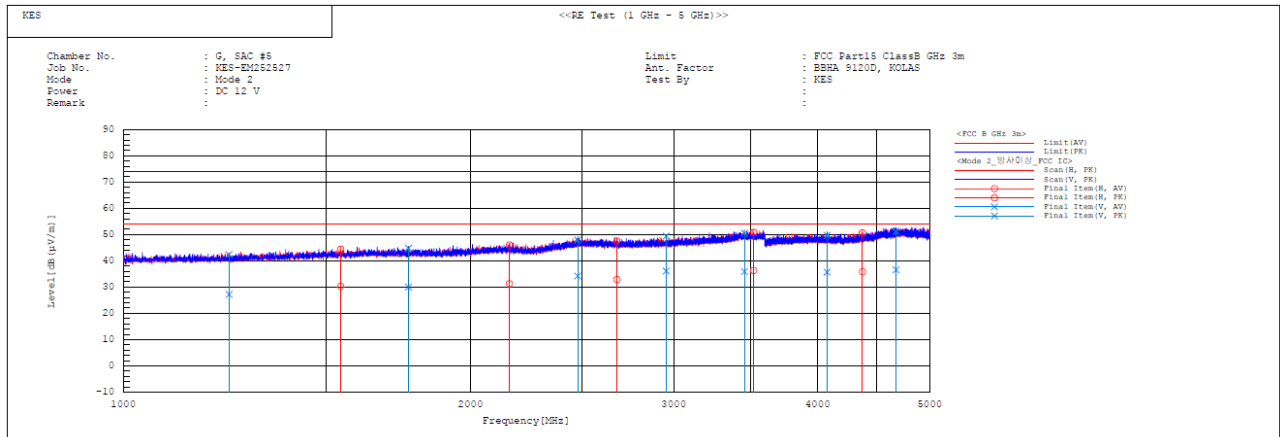




Report No. : KES-EM252527-R1

■ Mode 2

(1 ~ 5)GHz



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	1235.242	V	27.6	42.8	-0.4	27.2	42.4	54.0	74.0	26.8	31.6	121.0	147.0	
2	1543.421	H	29.0	43.1	1.3	30.3	44.4	54.0	74.0	23.7	29.6	192.0	348.5	
3	1767.529	V	27.9	42.7	2.1	30.0	44.8	54.0	74.0	24.0	29.2	144.0	11.3	
4	2161.621	H	27.6	42.3	3.7	31.3	46.0	54.0	74.0	22.7	28.0	231.0	229.2	
5	2478.251	V	29.3	43.0	4.9	34.2	47.9	54.0	74.0	19.8	26.1	172.0	36.9	
6	2679.416	H	27.4	42.1	5.5	32.9	47.6	54.0	74.0	21.1	26.4	331.0	40.5	
7	2956.351	V	29.8	43.1	6.3	36.1	49.4	54.0	74.0	17.9	24.6	100.0	358.5	
8	3455.206	V	28.7	43.3	7.2	35.9	50.5	54.0	74.0	18.1	23.5	108.0	147.0	
9	3519.724	H	29.0	43.5	7.3	36.3	50.8	54.0	74.0	17.7	23.2	255.0	111.0	
10	4075.162	V	26.5	40.4	9.2	35.7	49.6	54.0	74.0	18.3	24.4	142.0	144.5	
11	4374.712	H	25.4	40.2	10.4	35.8	50.6	54.0	74.0	18.2	23.4	222.0	354.8	
12	4676.681	V	25.0	39.7	11.5	36.5	51.2	54.0	74.0	17.5	22.8	122.0	47.4	



(5 ~ 40)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)
6 898.300	41.800	V	1.000	35.990	9.970	34.670	53.090	74.000	20.910
8 214.500	40.400	H	1.000	37.370	11.210	33.750	55.230	74.000	18.770

- 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)
6 898.300	27.300	V	1.000	35.990	9.970	34.670	38.590	54.000	15.410
8 214.500	24.800	H	1.000	37.370	11.210	33.750	39.630	54.000	14.370

◆ Calculation

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

Reading(PK/CAV) : Reading value, Result(PK/CAV) : Reading value + Factor value

Limit(PK/CAV) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value



Test Setup Photos and Configuration

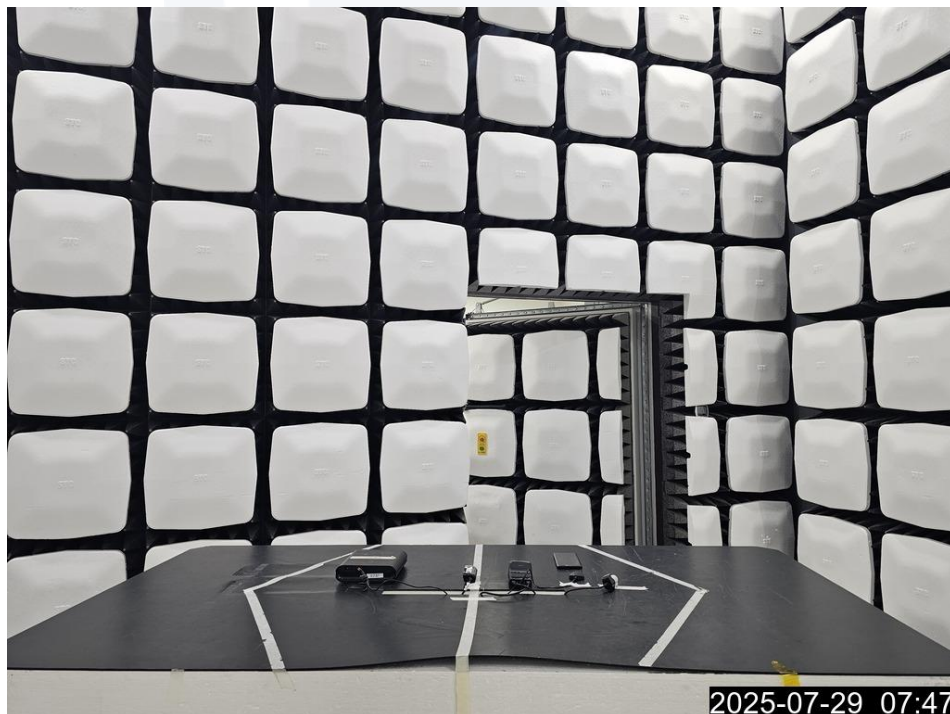
Conducted Emissions at Mains Power Ports

N/A



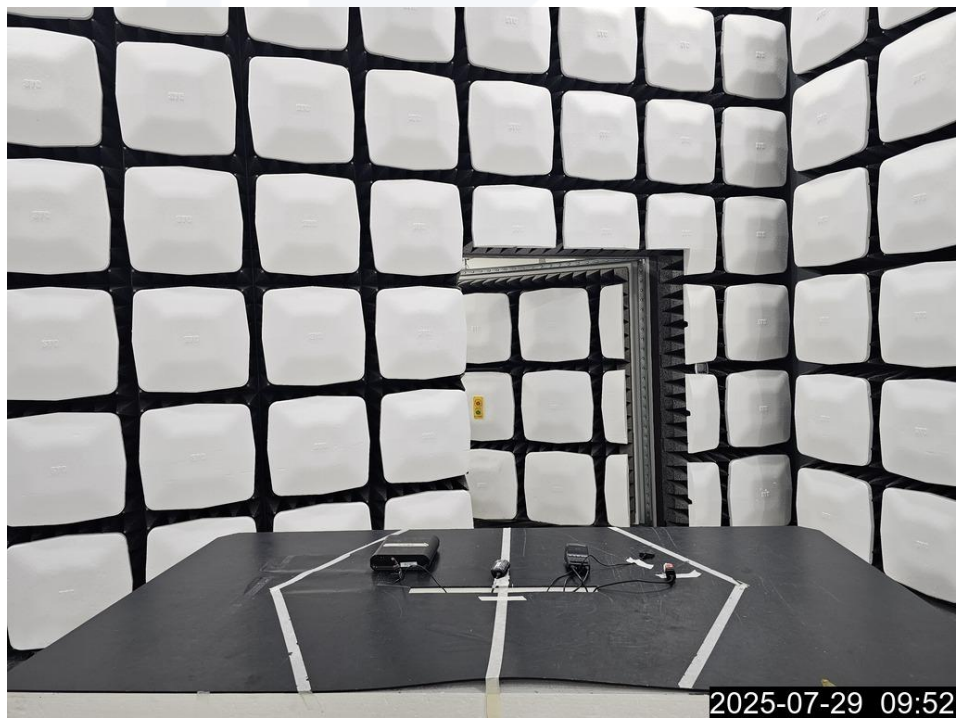
Radiated Electric Field Emissions(Below 1 GHz)

■ Mode 1





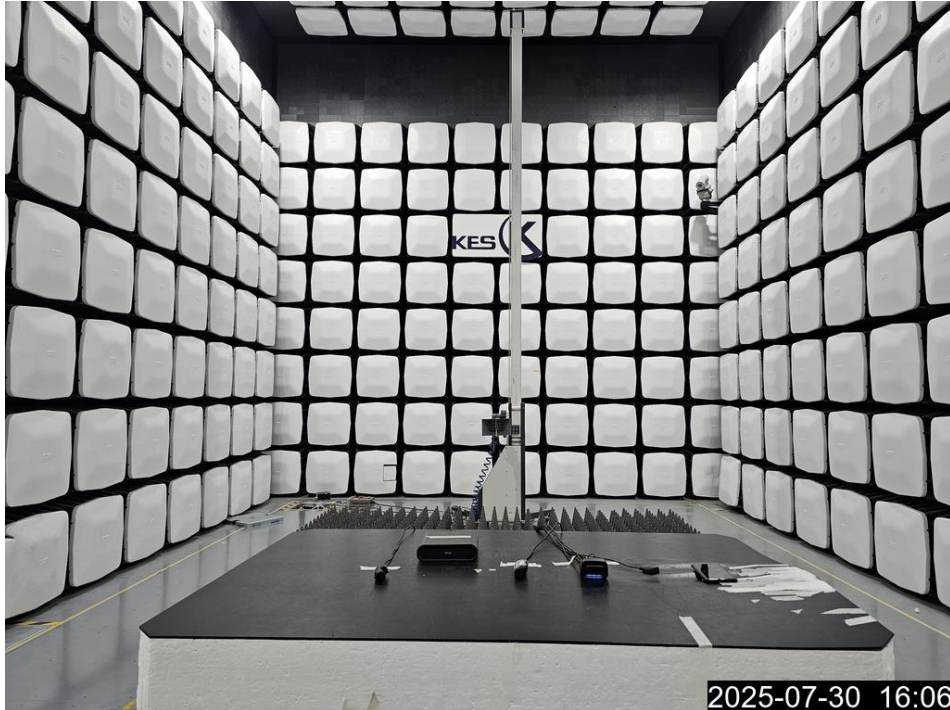
■ Mode 2





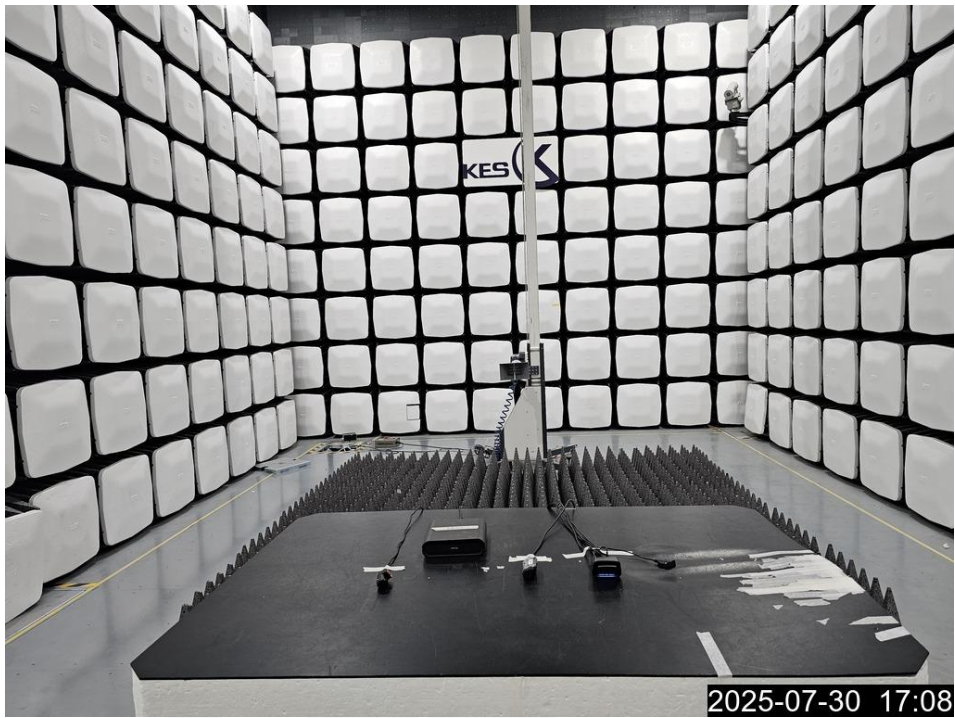
Radiated Electric Field Emissions(Above 1 GHz)

■ Mode 1





■ Mode 2





EUT External Photographs

(Top)



(Bottom)





EUT Internal Photographs

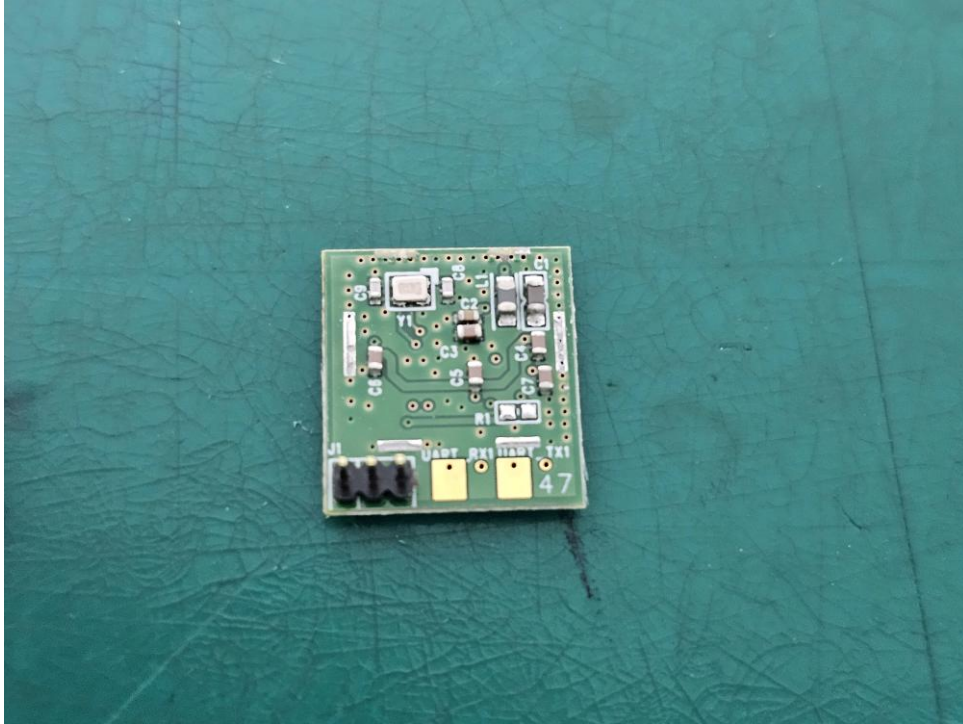
(Internal View)



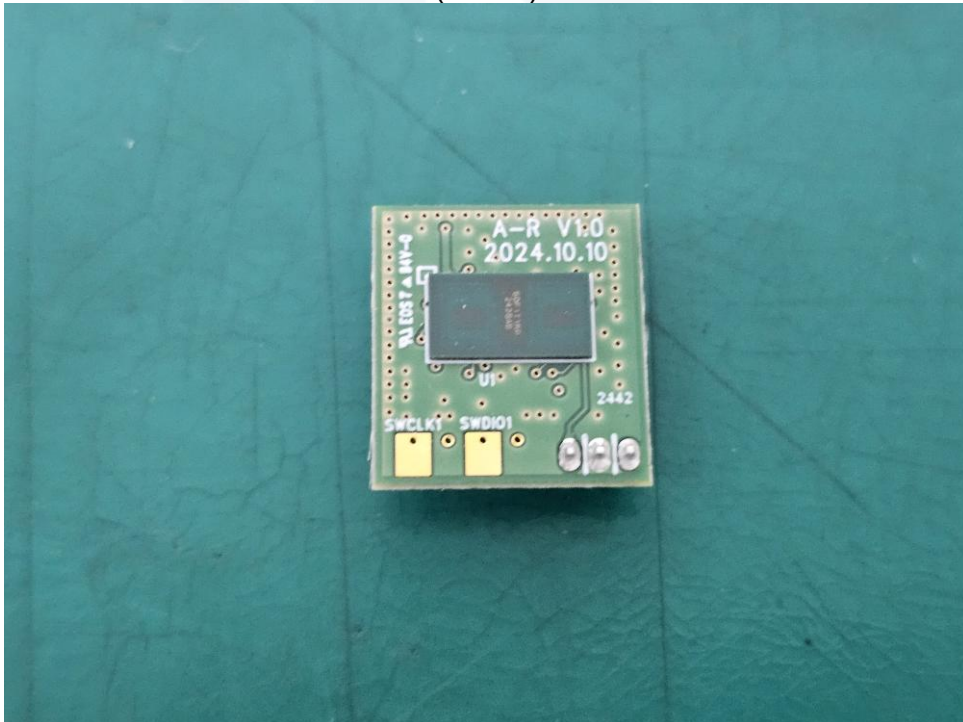


EUT Internal View – Board 1

(Top)



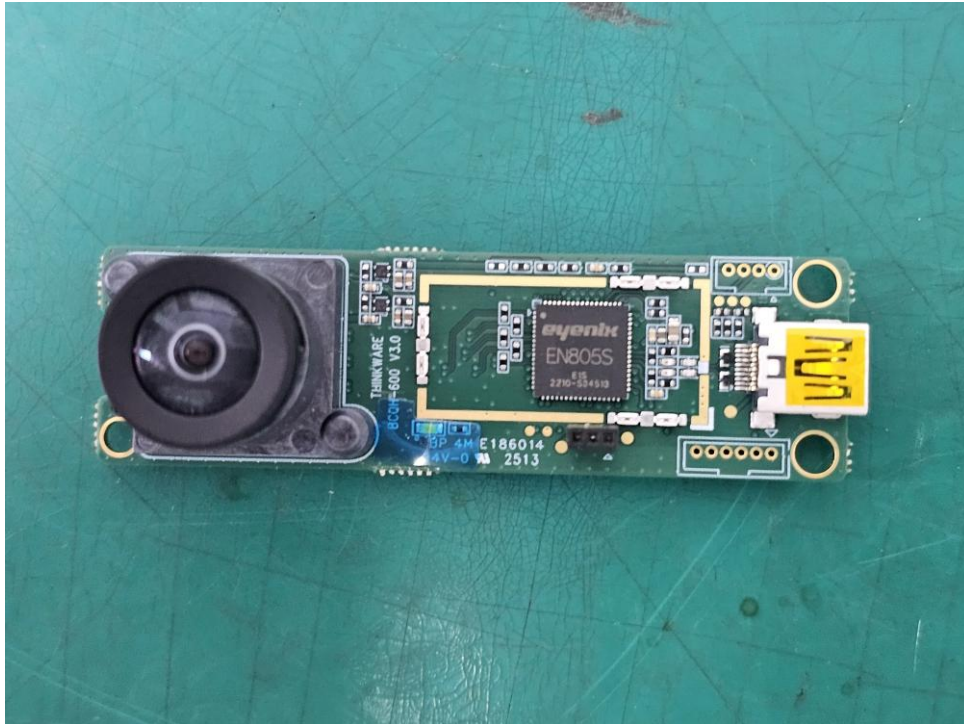
(Bottom)



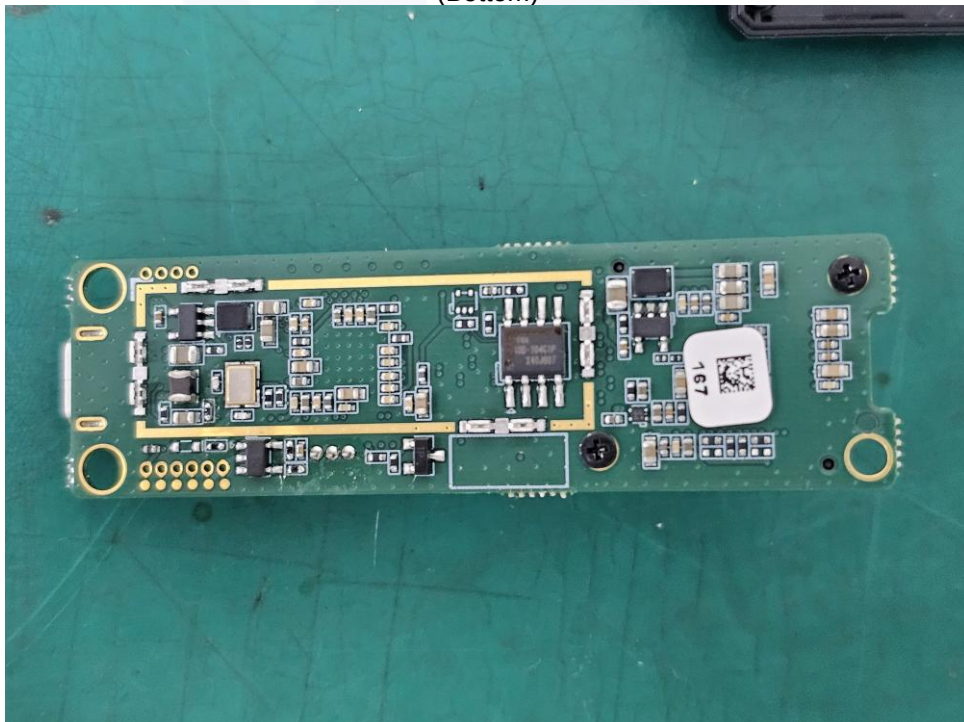


EUT Internal View – Board 2

(Top)



(Bottom)





Label Photographs

FCC Label



Rear Camera

BCQH-600

IC Label

CAN ICES-003(B) / NMB-003(B)

This device complies with ICES-003 Canada Rules Operation is subject to the following two conditions:
(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The End.