



**KES Co., Ltd.**

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Report No.:

KES-EM-23T0638

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# EMC TEST REPORT

Test Report No. : KES-EM-23T0638  
Date of Issue : Jul. 18, 2023  
Product name : LK-BT  
Model/Type No. : LK-BT240  
Variant Model : LK-BT120, LK-BT60, BT60, BT120, BT240  
Applicant : KLT Co., Ltd.  
Applicant Address : 34-12, Bangchon-ro 955beon-gil, Tanhyeon-myeon, Paju-si,  
Gyeonggi-do, Republic of Korea  
Manufacturer : KLT Co., Ltd.  
Manufacturer Address : 34-12, Bangchon-ro 955beon-gil, Tanhyeon-myeon, Paju-si,  
Gyeonggi-do, Republic of Korea  
Equipment authorization : **Supplier's Declaration of Conformity**  
Date of Receipt : Jun. 26, 2023  
Test date : Jul. 03, 2023  
Test Results : ☒ In Compliance ☐ Not in Compliance

Tested by

Dae Hyun, Kim  
EMC Test Engineer

Reviewed by

Dong Il, Lee  
EMC Technical Manager

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

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**REPORT REVISION HISTORY**

| Date          | Test Report No. | Revision History |
|---------------|-----------------|------------------|
| Jul. 18, 2023 | KES-EM-23T0638  | Issued           |
|               |                 |                  |
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### 1.0 General Product Description

Main Specifications of EUT are:

| Division   | Characteristic     |
|------------|--------------------|
| Frequency  | Bluetooth          |
| Power      | DC 4.5 V (Battery) |
| Components | EUT x 1 EA         |

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## 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 4.5 V (Battery)

## 1.2 Variant Model Differences

|          |                                                                                                                                                         |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| BT60     | All electronic circuits are the same.<br>The difference of mechanical capacity<br>grease volume is 60cc                                                 |
| BT120    | All electronic circuits are the same.<br>The difference of mechanical capacity<br>grease volume is 120cc                                                |
| BT240    | All electronic circuits are the same.<br>The difference of mechanical capacity<br>grease volume is 240cc                                                |
| LK-BT60  | All electronic circuits are the same.<br>Derivative models added due to ODM progress<br>The difference of mechanical capacity<br>grease volume is 60cc  |
| LK-BT120 | All electronic circuits are the same.<br>Derivative models added due to ODM progress<br>The difference of mechanical capacity<br>grease volume is 120cc |

## 1.3 Device Modifications

Not applicable

## 1.4 Equipment Under Test

| Description | Model Number | Serial Number | Manufacturer  | Remarks |
|-------------|--------------|---------------|---------------|---------|
| LK-BT       | LK-BT240     | -             | KLT Co., Ltd. | EUT     |

## 1.5 Support Equipments

| Description | Model Number | Serial Number | Manufacturer                     | Remarks |
|-------------|--------------|---------------|----------------------------------|---------|
| Smartphone  | SM-G955N     | -             | Samsung Electronics<br>Co., Ltd. | -       |

## 1.6 External I/O Cabling

### ■ Operating Mode

| Start          |          | END         |          | Cable Spec. |        |
|----------------|----------|-------------|----------|-------------|--------|
| Description    | I/O Port | Description | I/O Port | Length      | Shield |
| LK-BT<br>(EUT) | -        | -           | -        | -           | -      |

\* Unshielded = U, Shielded = S

### ■ Bluetooth Mode

| Start          |          | END         |          | Cable Spec. |        |
|----------------|----------|-------------|----------|-------------|--------|
| Description    | I/O Port | Description | I/O Port | Length      | Shield |
| LK-BT<br>(EUT) | Wireless | Smartphone  | Wireless | -           | -      |

\* Unshielded = U, Shielded = S

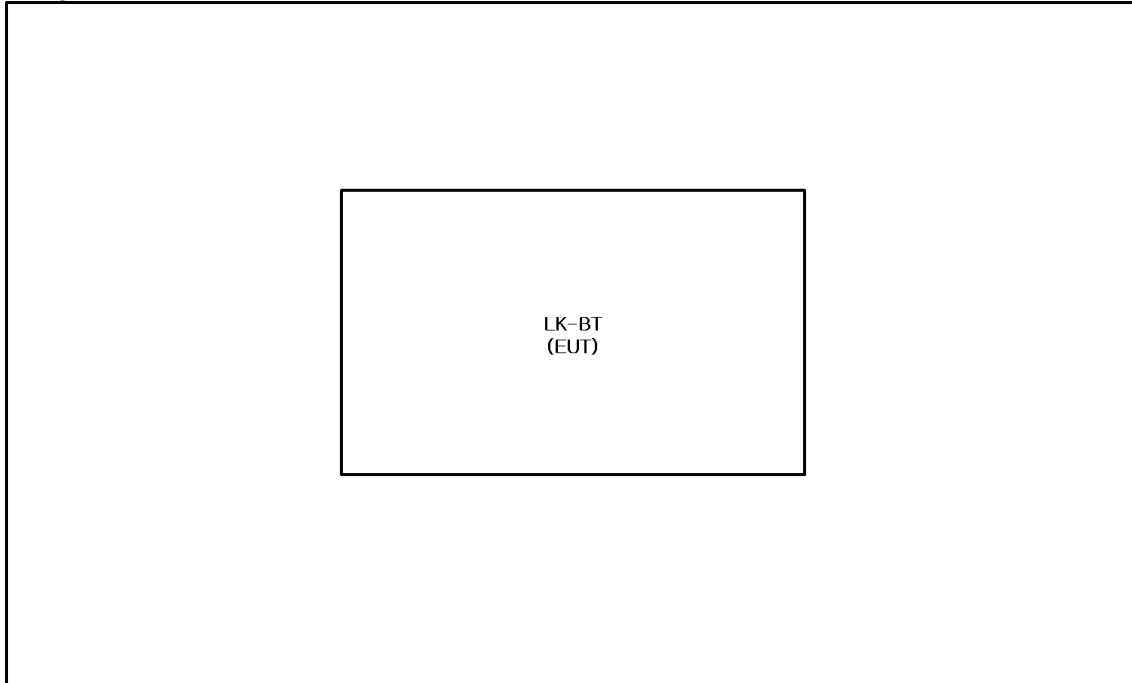
## 1.7 EUT Operating Mode(s)

| Test mode | Normal operating                                                                                                        |
|-----------|-------------------------------------------------------------------------------------------------------------------------|
| Operating | EUT Turn on the power. Tested under the maximum load condition of EUT.                                                  |
| Bluetooth | Connect EUT and Smartphone wirelessly. Checked the wireless communication status through the application of Smartphone. |

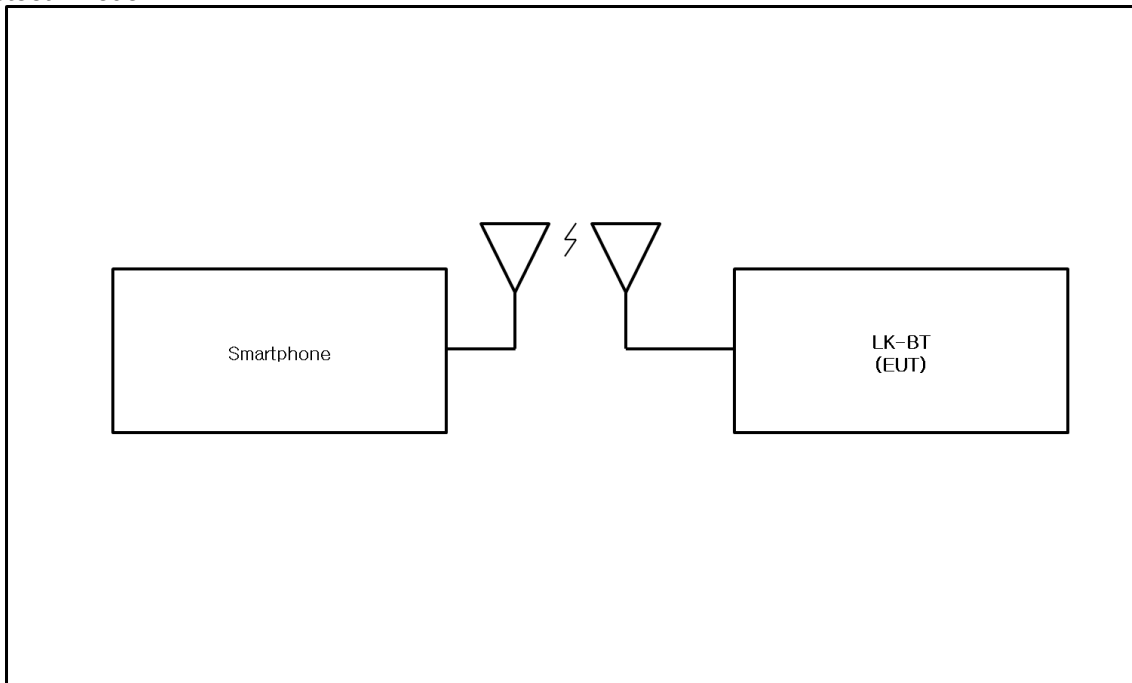
| EUT Test operating S/W |         |                     |
|------------------------|---------|---------------------|
| Name                   | Version | Manufacture Company |
| Pulsarlube BT          | 3.9     | pulsarlube          |

## 1.8 Configuration

### ■ Operating Mode



### ■ Bluetooth Mode



EUT – Smartphone : Bluetooth

## 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 Laboratory Accreditations and Listings

| Country       | Agency  | Scope of Accreditation                                                                                                                  | Logo                                                                                                                           |
|---------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| KOREA         | RRA     | EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site)<br>EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions) | <br>KR0100                                  |
| International | KOLAS   | EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site)<br>EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions) | <br>KT489                                  |
| USA           | FCC     | 3 m & 10 m Semi-Anechoic Chamber<br>Conducted test site to perform FCC Part 15/18 measurements.                                         | <br>KR0100                                |
| Canada        | ISED    | 3 m & 10 m Semi-Anechoic Chamber and Conducted test site                                                                                | <br>23298                                 |
| JAPAN         | VCCI    | EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site)                                                                          | <br>C-20136, T-20137,<br>R-20181, G-20176 |
| Europe        | TÜV SÜD | EMI (3 m & 10 m Semi-Anechoic Chamber and conducted test site)<br>EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions) | <br>CARAT 001633 0004                     |



## 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

## 2.1 Conducted Emissions at Mains Power Ports

**Test Date**

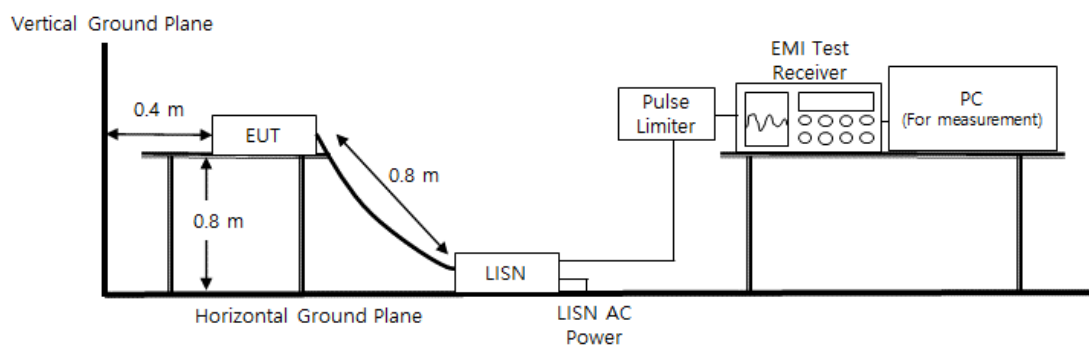
N/A

**Test Location**

Electro wave Shieldroom #6

**Test Equipment**

| Used                     | Description       | Model Number | Manufacturer | Serial Number | Cal. Due     |
|--------------------------|-------------------|--------------|--------------|---------------|--------------|
| <input type="checkbox"/> | EMI Test S/W      | EMC32        | R & S        | 9.12.00       | -            |
| <input type="checkbox"/> | EMI TEST RECEIVER | ESR3         | R & S        | 101783        | 11, 11, 2023 |
| <input type="checkbox"/> | LISN              | ENV216       | R & S        | 101787        | 11, 10, 2023 |
| <input type="checkbox"/> | LISN              | ESH2-Z5      | R & S        | 100450        | 11, 10, 2023 |
| <input type="checkbox"/> | PULSE LIMITER     | ESH3-Z2      | R & S        | 101915        | 11, 10, 2023 |

**Diagram of test setup**




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### 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

It is not tested apply because it is powered by battery.

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## 2.2 Radiated Electric Field Emissions(Below 1 GHz)

**Test Date**

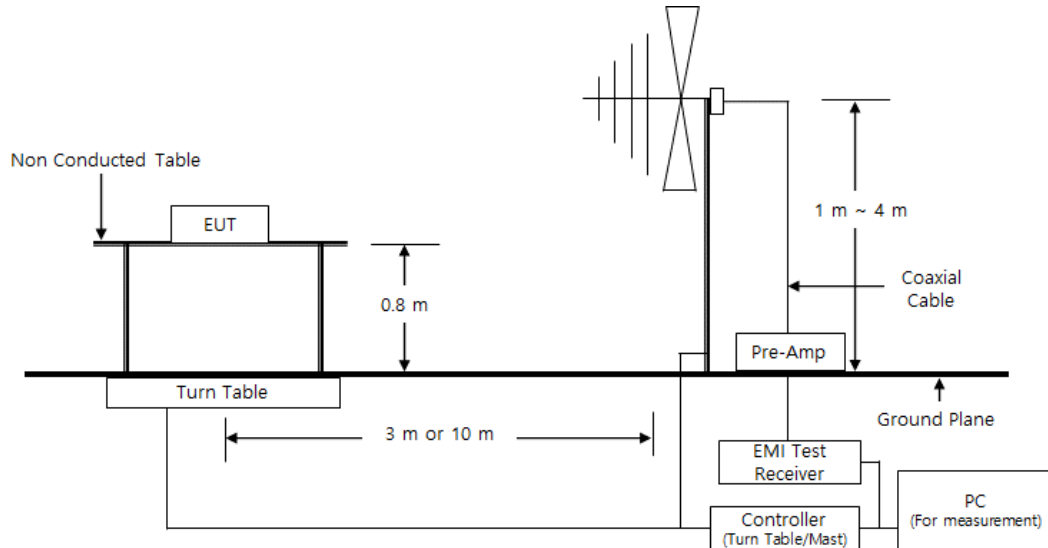
Jul. 03, 2023

**Test Location**

SEMI ANECHOIC CHAMBER #4(10 m)

**Test Equipment**

| Used                                | Description              | Model Number | Manufacturer     | Serial Number | Cal. Due     |
|-------------------------------------|--------------------------|--------------|------------------|---------------|--------------|
| <input checked="" type="checkbox"/> | EMI Test S/W             | EP5/RE       | TOYO Corporation | 6.0.0         | -            |
| <input checked="" type="checkbox"/> | EMI TEST RECEIVER        | ESU26        | R & S            | 100551        | 03, 21, 2024 |
| <input checked="" type="checkbox"/> | AMPLIFIER                | SCU 01       | R & S            | 100603        | 11, 10, 2023 |
| <input checked="" type="checkbox"/> | TRILOG-BROADBAND ANTENNA | VULB9163     | Schwarzbeck      | 715           | 11, 17, 2024 |
| <input checked="" type="checkbox"/> | ATTENUATOR               | 8491A        | HP               | 32173         | 03, 03, 2024 |

**Diagram of test setup**




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### Test Conditions

Temperature:  $(24,7 \pm 0,2) ^\circ\text{C}$   
Relative Humidity:  $(45,6 \pm 0,1) \% \text{ R.H.}$

### 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.

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## 2.3 Radiated Electric Field Emissions(Above 1 GHz)

### Test Date

Jul. 03, 2023

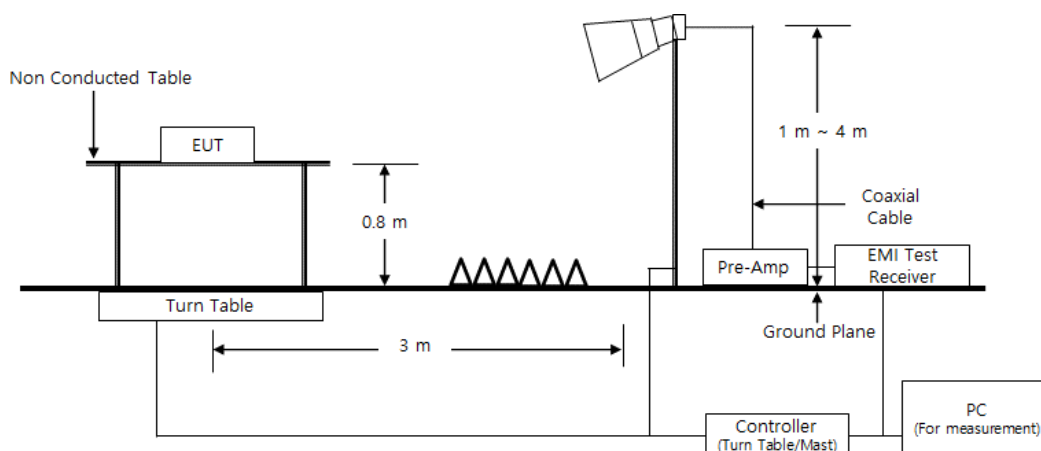
### Test Location

SEMI ANECHOIC CHAMBER #5

### Test Equipment

| Used                                | Description       | Model Number | Manufacturer     | Serial Number | Cal. Due     |
|-------------------------------------|-------------------|--------------|------------------|---------------|--------------|
| <input checked="" type="checkbox"/> | EMI Test S/W      | ES10/RE      | TOYO Corporation | 2022.01.000   | -            |
| <input checked="" type="checkbox"/> | EMI TEST RECEIVER | ESU26        | Rohde & Schwarz  | 100552        | 03, 21, 2024 |
| <input checked="" type="checkbox"/> | HORN ANTENNA      | BBHA 9120D   | SCHWARZBECK      | 9120D-1802    | 11, 08, 2023 |
| <input checked="" type="checkbox"/> | PREAMPLIFIER      | 8449B        | HP               | 3008A00538    | 05, 31, 2024 |
| <input checked="" type="checkbox"/> | ATTENUATOR        | 8491B        | HP               | 23094         | 03, 21, 2024 |

### Diagram of test setup





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### Test Conditions

Temperature:  $(24,2 \pm 0,2) ^\circ\text{C}$   
Relative Humidity:  $(44,8 \pm 0,2) \% \text{ R.H.}$

### Frequency Range of Measurement

1 GHz to 12,4 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.

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## **APPENDIX A – TEST Bluetooth Mode**

### **Conducted Emissions at Mains Power Ports**

HOT LINE

N/A

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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))

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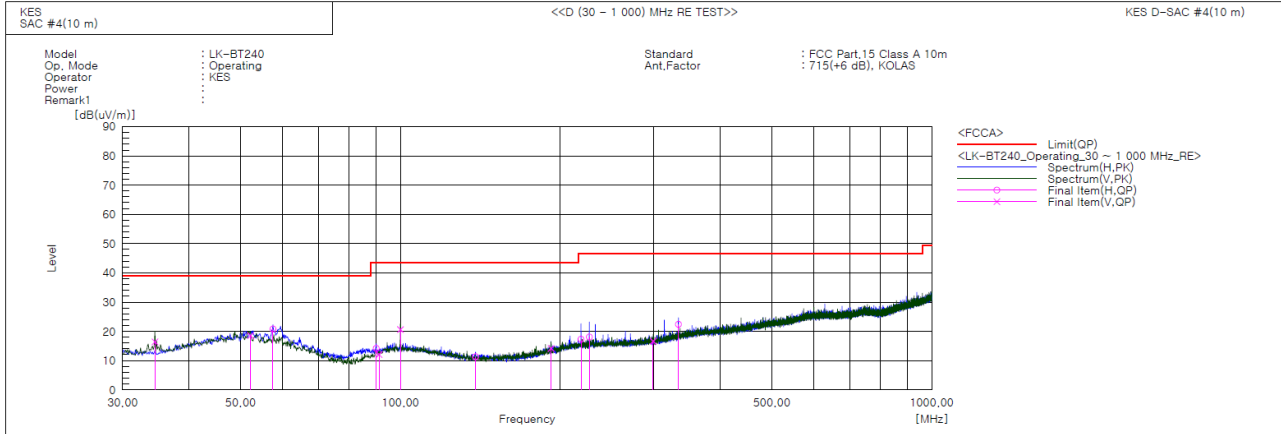
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### Radiated Electric Field Emissions(Below 1 GHz)

#### ■ Operating Mode



#### Final Result

| No. | Frequency<br>[MHz] | (P) | Reading<br>QP<br>[dB(uV)] | c.f<br>[dB(1/m)] | Result<br>QP<br>[dB(uV/m)] | Limit<br>QP<br>[dB(uV/m)] | Margin<br>QP<br>[dB] | Height<br>[cm] | Angle<br>[deg] | Remark |
|-----|--------------------|-----|---------------------------|------------------|----------------------------|---------------------------|----------------------|----------------|----------------|--------|
| 1   | 34.486             | V   | 40.9                      | -24.5            | 16.4                       | 39.0                      | 22.6                 | 100.0          | 231.0          |        |
| 2   | 52.189             | V   | 39.2                      | -20.7            | 18.5                       | 39.0                      | 20.5                 | 100.0          | 175.0          |        |
| 3   | 57.524             | H   | 42.1                      | -21.3            | 20.8                       | 39.0                      | 18.2                 | 400.0          | 15.0           |        |
| 4   | 90.019             | H   | 38.3                      | -24.1            | 14.2                       | 43.5                      | 29.3                 | 400.0          | 52.0           |        |
| 5   | 91.110             | V   | 35.9                      | -23.8            | 12.1                       | 43.5                      | 31.4                 | 133.0          | 90.0           |        |
| 6   | 99.961             | V   | 43.0                      | -22.4            | 20.6                       | 43.5                      | 22.9                 | 127.0          | 153.0          |        |
| 7   | 138.398            | H   | 36.7                      | -25.4            | 11.3                       | 43.5                      | 32.2                 | 375.0          | 22.0           |        |
| 8   | 191.990            | V   | 36.4                      | -22.2            | 14.2                       | 43.5                      | 29.3                 | 100.0          | 212.0          |        |
| 9   | 218.665            | H   | 37.3                      | -20.0            | 17.3                       | 46.5                      | 29.2                 | 334.0          | 153.0          |        |
| 10  | 226.668            | H   | 37.8                      | -19.7            | 18.1                       | 46.5                      | 28.4                 | 400.0          | 30.0           |        |
| 11  | 298.933            | V   | 34.6                      | -18.0            | 16.6                       | 46.5                      | 29.9                 | 150.0          | 116.0          |        |
| 12  | 333.489            | H   | 38.5                      | -16.1            | 22.4                       | 46.5                      | 24.1                 | 400.0          | 38.0           |        |

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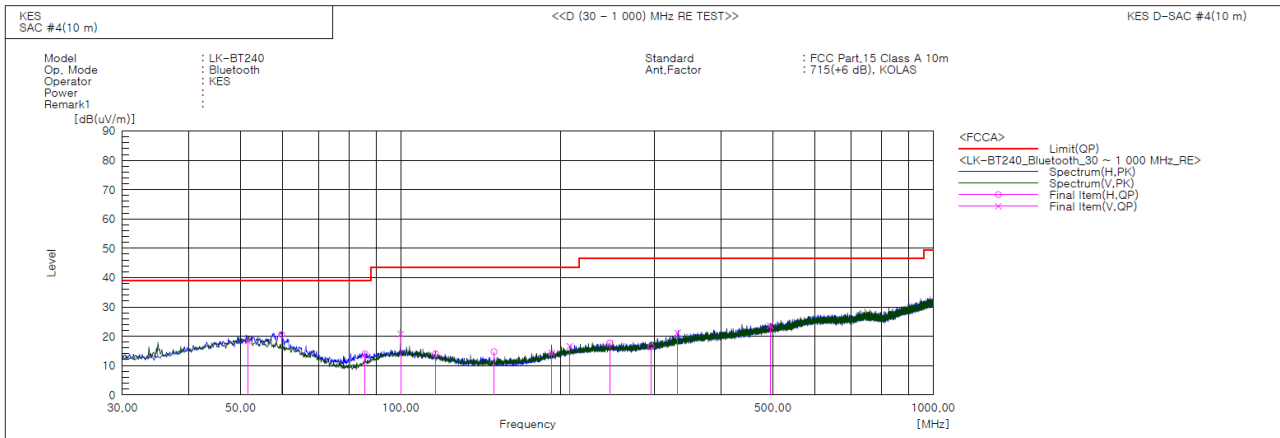
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### Bluetooth Mode



### Final Result

| No. | Frequency<br>[MHz] | (P) | Reading<br>QP<br>[dB(uV)] | c.f<br>[dB(1/m)] | Result<br>QP<br>[dB(uV/m)] | Limit<br>QP<br>[dB(uV/m)] | Margin<br>QP<br>[dB] | Height<br>[cm] | Angle<br>[deg] | Remark |
|-----|--------------------|-----|---------------------------|------------------|----------------------------|---------------------------|----------------------|----------------|----------------|--------|
| 1   | 51.583             | V   | 39.1                      | -20.7            | 18.4                       | 39.0                      | 20.6                 | 100.0          | 197.0          |        |
| 2   | 59.706             | H   | 42.3                      | -21.7            | 20.6                       | 39.0                      | 18.4                 | 400.0          | 85.0           |        |
| 3   | 85.654             | H   | 40.0                      | -26.0            | 14.0                       | 39.0                      | 25.0                 | 386.0          | 61.0           |        |
| 4   | 99.988             | V   | 43.2                      | -22.4            | 20.8                       | 43.5                      | 22.7                 | 111.0          | 138.0          |        |
| 5   | 116.209            | H   | 37.6                      | -23.6            | 14.0                       | 43.5                      | 29.5                 | 400.0          | 85.0           |        |
| 6   | 149.674            | H   | 40.0                      | -25.3            | 14.7                       | 43.5                      | 28.8                 | 290.0          | 239.0          |        |
| 7   | 191.995            | V   | 36.5                      | -22.2            | 14.3                       | 43.5                      | 29.2                 | 120.0          | 312.0          |        |
| 8   | 207.631            | V   | 37.3                      | -20.7            | 16.6                       | 43.5                      | 26.9                 | 135.0          | 108.0          |        |
| 9   | 247.038            | H   | 37.0                      | -19.3            | 17.7                       | 46.5                      | 28.8                 | 330.0          | 61.0           |        |
| 10  | 295.174            | H   | 34.6                      | -18.2            | 16.4                       | 46.5                      | 30.1                 | 400.0          | 213.0          |        |
| 11  | 330.943            | V   | 37.3                      | -16.2            | 21.1                       | 46.5                      | 25.4                 | 100.0          | 101.0          |        |
| 12  | 494.266            | V   | 34.8                      | -11.2            | 23.6                       | 46.5                      | 22.9                 | 100.0          | 349.0          |        |

### Calculation

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

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

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Report No.:

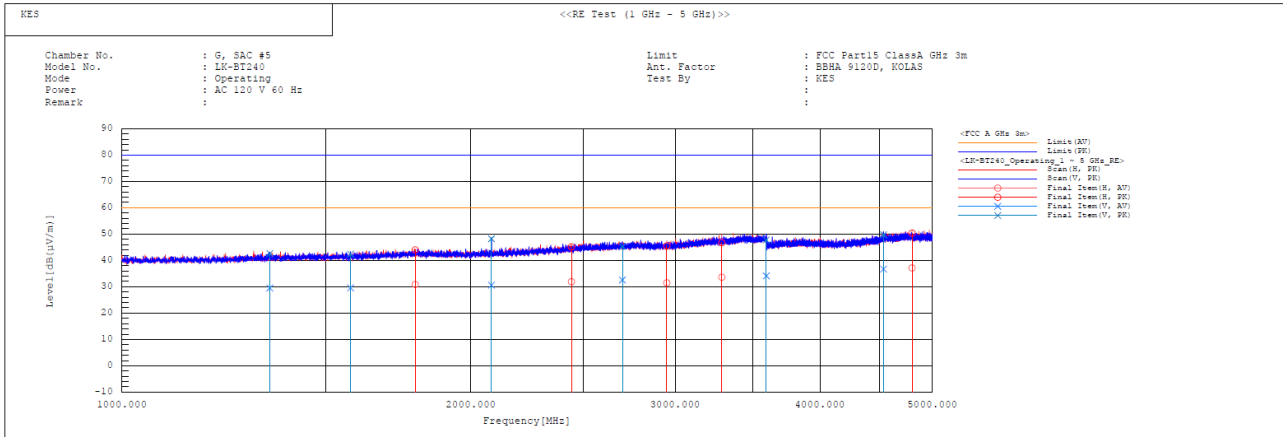
KES-EM-23T0638

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

#### ■ Operating Mode

- (1 ~ 5) GHz



#### Final Result

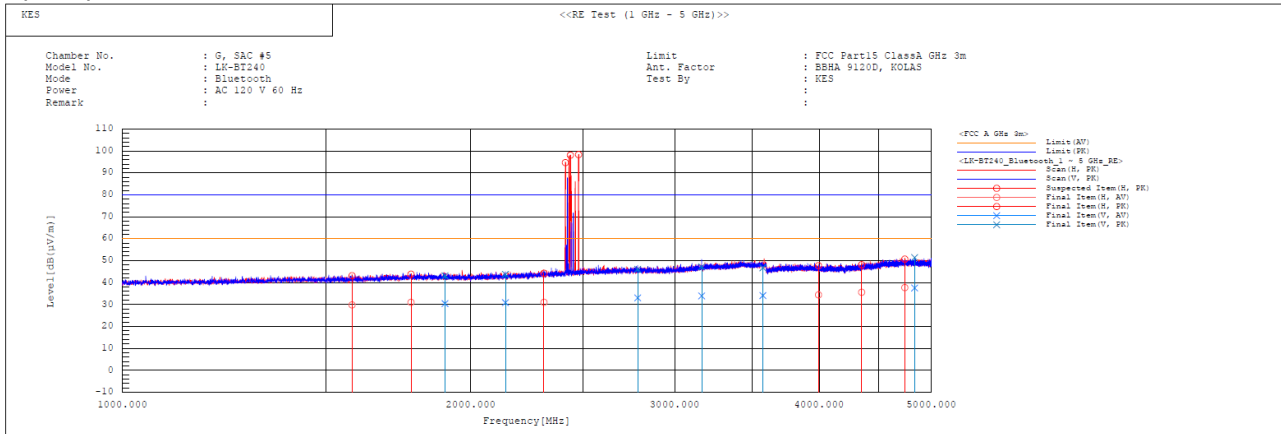
| No. | Frequency | Pol | Reading  | Reading  | c.f       | Result     | Result     | Limit      | Limit      | Margin | Margin | Height | Angle | Remark |
|-----|-----------|-----|----------|----------|-----------|------------|------------|------------|------------|--------|--------|--------|-------|--------|
|     | [MHz]     |     | AV       | PK       |           | AV         | PK         | AV         | PK         | AV     | PK     | [cm]   | [deg] |        |
|     |           |     | [dB(μV)] | [dB(μV)] | [dB(1/m)] | [dB(μV/m)] | [dB(μV/m)] | [dB(μV/m)] | [dB(μV/m)] | [dB]   | [dB]   |        |       |        |
| 1   | 1341.645  | V   | 29.9     | 43.0     | -0.4      | 29.5       | 42.6       | 60.0       | 80.0       | 30.5   | 37.4   | 142.0  | 144.5 |        |
| 2   | 1574.888  | V   | 29.4     | 42.2     | 0.2       | 29.6       | 42.4       | 60.0       | 80.0       | 30.4   | 37.6   | 132.0  | 51.7  |        |
| 3   | 1790.458  | H   | 29.3     | 42.4     | 1.6       | 30.9       | 44.0       | 60.0       | 80.0       | 29.1   | 36.0   | 219.0  | 34.5  |        |
| 4   | 2083.209  | V   | 28.4     | 46.0     | 2.2       | 30.6       | 48.2       | 60.0       | 80.0       | 29.4   | 31.8   | 100.0  | 90.4  |        |
| 5   | 2441.159  | H   | 28.6     | 41.9     | 3.3       | 31.9       | 45.2       | 60.0       | 80.0       | 28.1   | 34.8   | 190.0  | 61.7  |        |
| 6   | 2701.689  | V   | 28.1     | 40.8     | 4.5       | 32.6       | 45.3       | 60.0       | 80.0       | 27.4   | 34.7   | 111.0  | 246.6 |        |
| 7   | 2950.887  | H   | 26.5     | 40.5     | 5.0       | 31.5       | 45.5       | 60.0       | 80.0       | 28.5   | 34.5   | 400.0  | 65.7  |        |
| 8   | 3290.492  | H   | 27.6     | 40.7     | 6.0       | 33.6       | 46.7       | 60.0       | 80.0       | 26.4   | 33.3   | 400.0  | 184.7 |        |
| 9   | 3594.780  | V   | 28.2     | 41.9     | 5.9       | 34.1       | 47.8       | 60.0       | 80.0       | 25.9   | 32.2   | 100.0  | 152.0 |        |
| 10  | 4536.860  | V   | 27.5     | 40.6     | 9.2       | 36.7       | 49.8       | 60.0       | 80.0       | 23.3   | 30.2   | 100.0  | 79.9  |        |
| 11  | 4801.635  | H   | 27.2     | 40.4     | 10.0      | 37.2       | 50.4       | 60.0       | 80.0       | 22.8   | 29.6   | 400.0  | 100.8 |        |

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■ Bluetooth Mode

- (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   | 1579.202        | H   | 29.6                | 42.9                | 0.2           | 29.8                 | 43.1                 | 60.0                | 80.0                | 30.2           | 36.9           | 340.0       | 98.3        |        |
| 2   | 1775.207        | H   | 29.5                | 42.3                | 1.5           | 31.0                 | 43.8                 | 60.0                | 80.0                | 29.0           | 36.2           | 400.0       | 349.8       |        |
| 3   | 1899.456        | V   | 28.6                | 41.2                | 1.8           | 30.4                 | 43.0                 | 60.0                | 80.0                | 29.6           | 37.0           | 130.0       | 114.6       |        |
| 4   | 2142.905        | V   | 28.4                | 41.3                | 2.4           | 30.8                 | 43.7                 | 60.0                | 80.0                | 29.2           | 36.3           | 100.0       | 179.2       |        |
| 5   | 2312.968        | H   | 28.1                | 41.3                | 2.9           | 31.0                 | 44.2                 | 60.0                | 80.0                | 29.0           | 35.8           | 400.0       | 128.2       |        |
| 6   | 2786.876        | V   | 28.2                | 41.2                | 4.8           | 33.0                 | 46.0                 | 60.0                | 80.0                | 27.0           | 34.0           | 100.0       | 287.7       |        |
| 7   | 3165.111        | V   | 28.0                | 41.2                | 5.9           | 33.9                 | 47.1                 | 60.0                | 80.0                | 26.1           | 32.9           | 156.0       | 5.8         |        |
| 8   | 3574.781        | V   | 28.1                | 40.8                | 5.9           | 34.0                 | 46.7                 | 60.0                | 80.0                | 26.0           | 33.3           | 137.0       | 136.7       |        |
| 9   | 3992.864        | H   | 27.6                | 40.9                | 6.8           | 34.4                 | 47.7                 | 60.0                | 80.0                | 25.6           | 32.3           | 400.0       | 215.5       |        |
| 10  | 4352.110        | H   | 27.2                | 39.7                | 8.4           | 35.6                 | 48.1                 | 60.0                | 80.0                | 24.4           | 31.9           | 352.0       | 41.3        |        |
| 11  | 4742.001        | H   | 27.8                | 40.8                | 9.9           | 37.7                 | 50.7                 | 60.0                | 80.0                | 22.3           | 29.3           | 400.0       | 341.1       |        |
| 12  | 4834.700        | V   | 27.3                | 41.2                | 10.2          | 37.5                 | 51.4                 | 60.0                | 80.0                | 22.5           | 28.6           | 110.0       | 118.3       |        |
| 13  | 2414.000        | H   | -----               | -----               | 3.2           | -----                | -----                | -----               | -----               | -----          | -----          | 100.0       | 0.6         |        |
| 14  | 2438.000        | H   | -----               | -----               | 3.3           | -----                | -----                | -----               | -----               | -----          | -----          | 100.0       | 138.7       |        |
| 15  | 2477.600        | H   | -----               | -----               | 3.5           | -----                | -----                | -----               | -----               | -----          | -----          | 100.0       | 92.3        |        |

\* Exclusion Bands

- Fundamental Frequency: (2 402 ~ 2 480) MHz



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Report No.:

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- (5 ~ 12,4) GHz

### PEAK

| 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) |
|-----------------|-------------------|--------------|--------------|-----------------|-----------------|--------------------|-----------------|----------------|-------------|
| 5 733.200       | 39.300            | V            | 1.000        | 32.630          | 6.460           | 33.570             | 44.820          | 80.000         | 35.180      |
| 7 033.400       | 39.200            | H            | 1.000        | 35.220          | 7.930           | 34.740             | 47.610          | 80.000         | 32.390      |

### CISPR AVERAGE

| 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) |
|-----------------|-------------------------|--------------|--------------|-----------------|-----------------|--------------------|-----------------|----------------|-------------|
| 5 733.200       | 26.600                  | V            | 1.000        | 32.630          | 6.460           | 33.570             | 32.120          | 60.000         | 27.880      |
| 7 033.400       | 26.200                  | H            | 1.000        | 35.220          | 7.930           | 34.740             | 34.610          | 60.000         | 25.390      |

### ◆ Calculation

Result(PK/CAV) [dB(μV/m)] = (Reading(PK/CAV)[dB(μV)] + c.f[dB(1/m)])

Margin(PK/CAV)[dB] = Limit[dB(μV/m)] - Result(PK/CAV) [dB(μV/m)]

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

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

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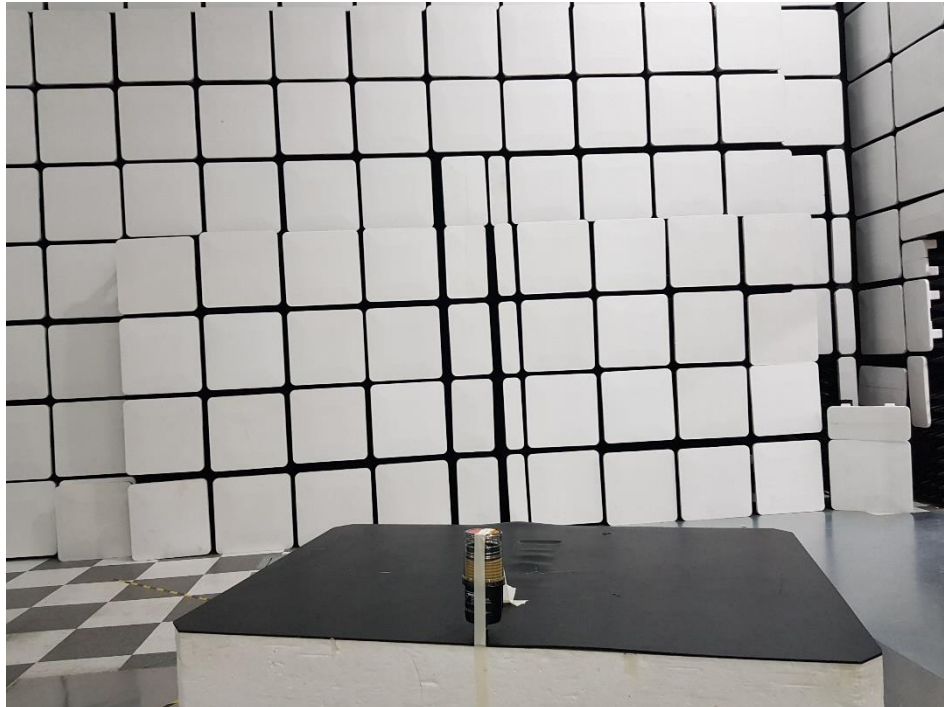
**Test Setup Photos and Configuration**

**Conducted Emissions at Mains Power Ports**

N/A

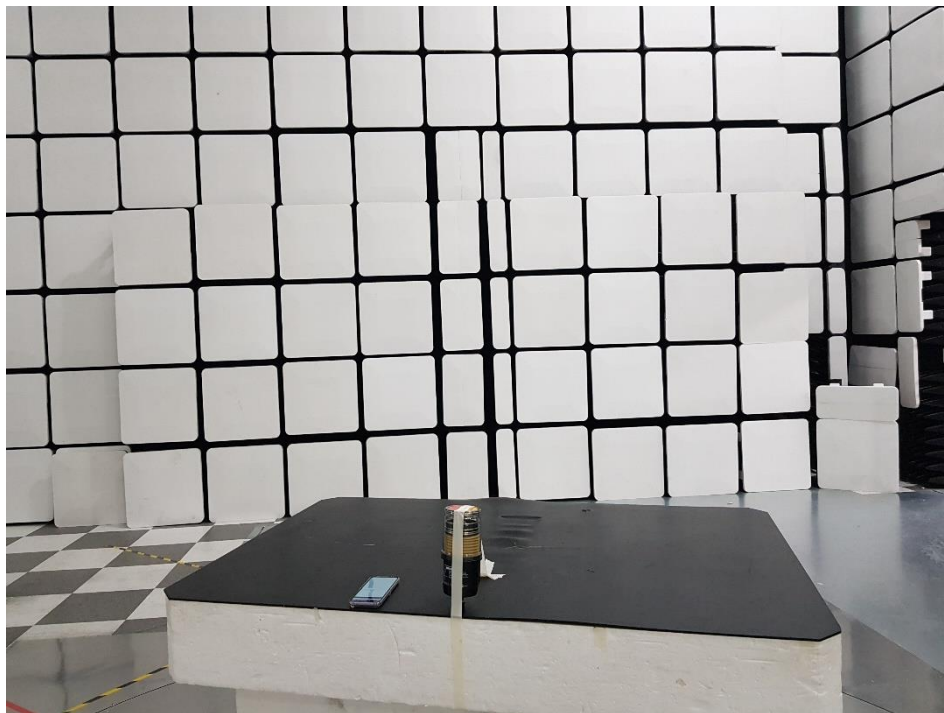
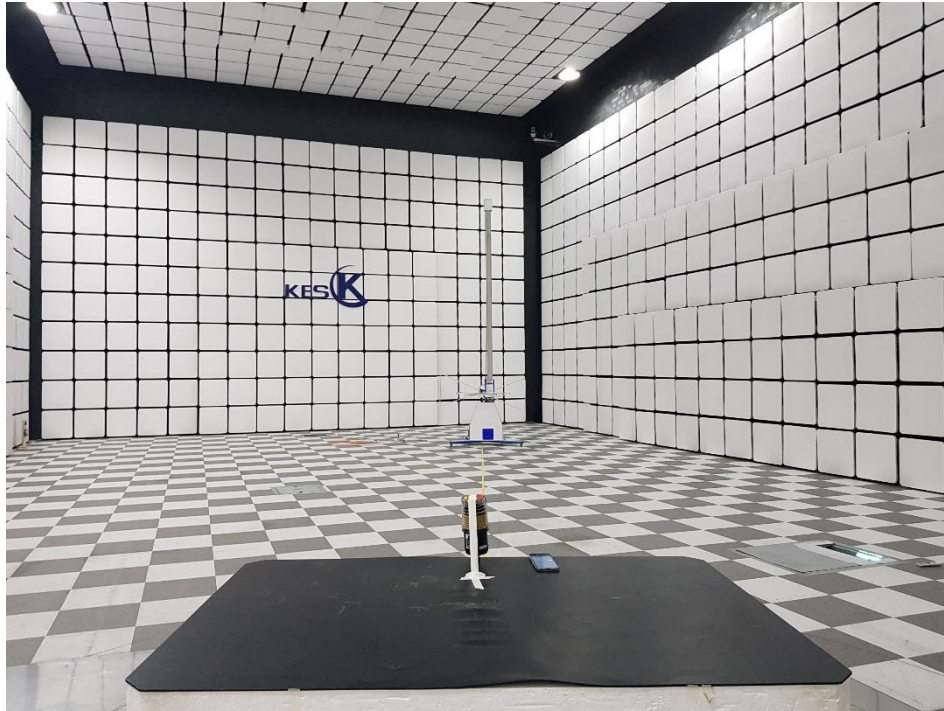
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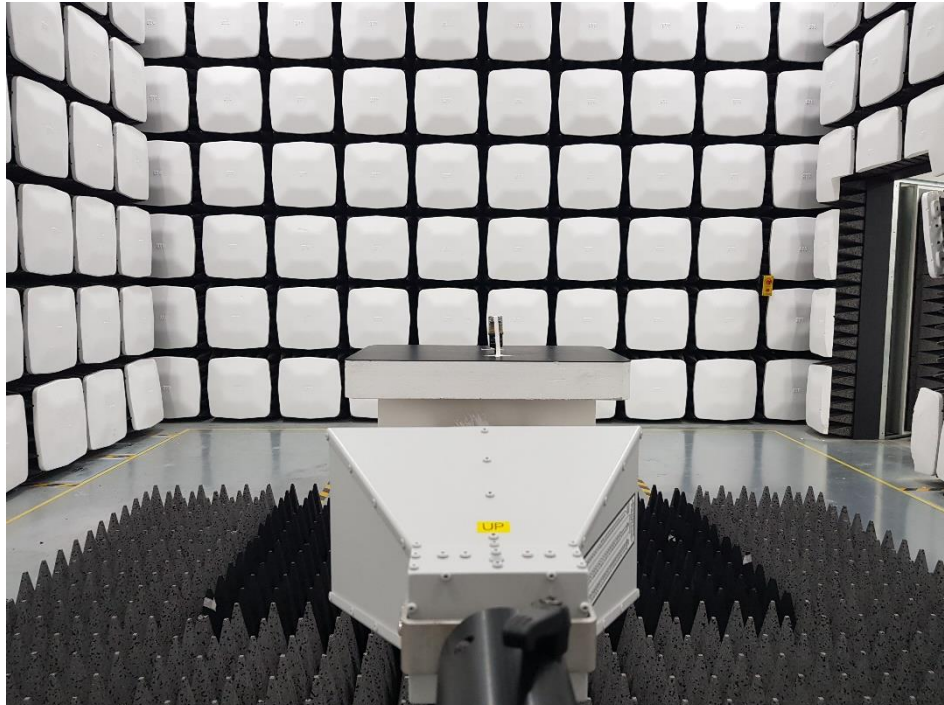
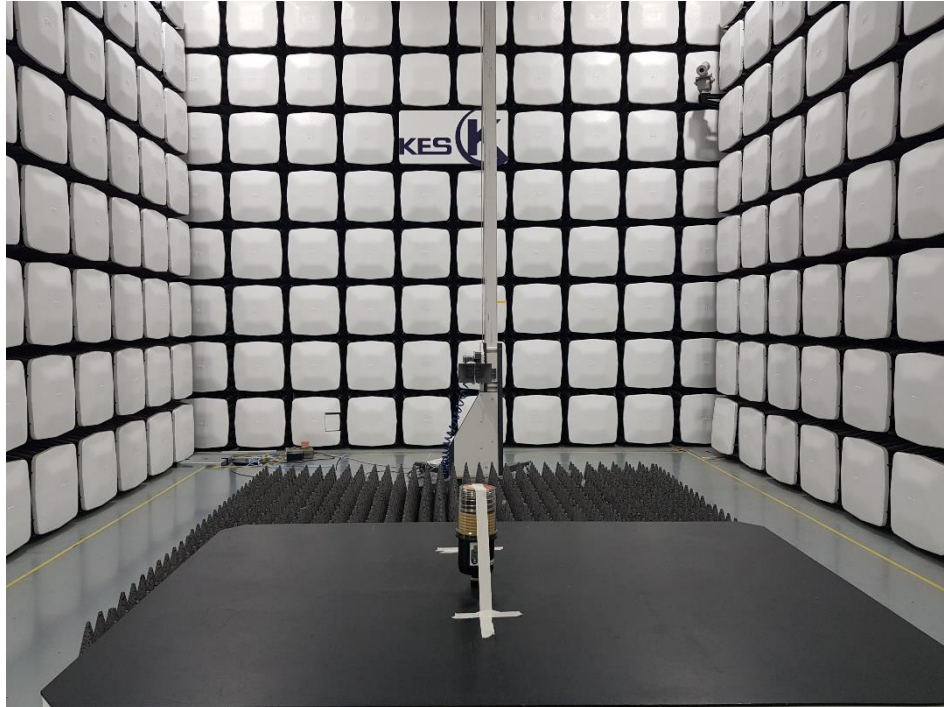
**Radiated Electric Field Emissions(Below 1 GHz)****■ Operating Mode**

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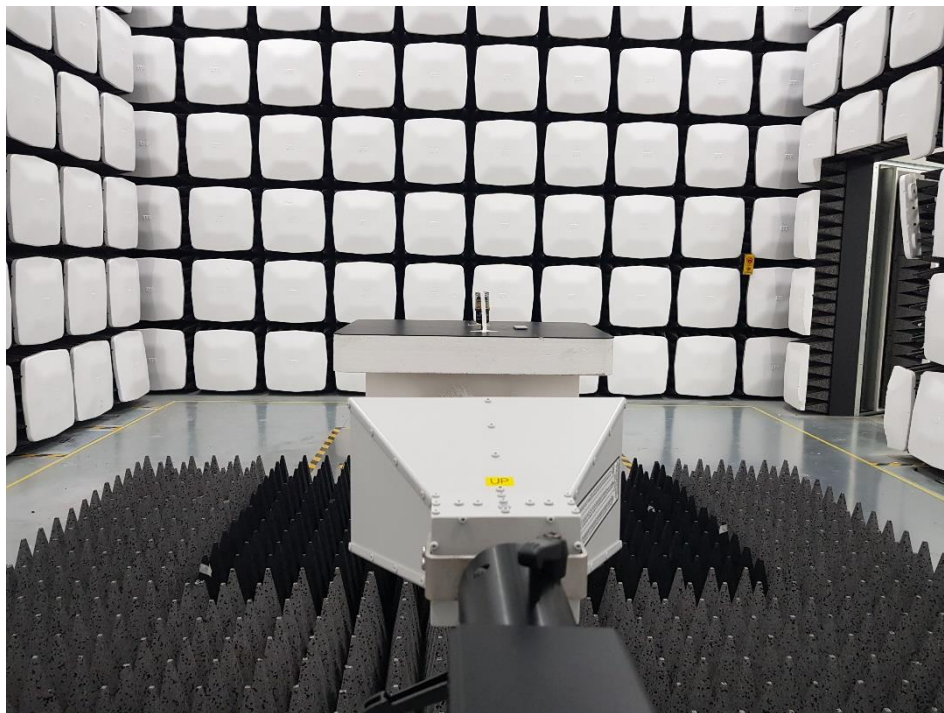
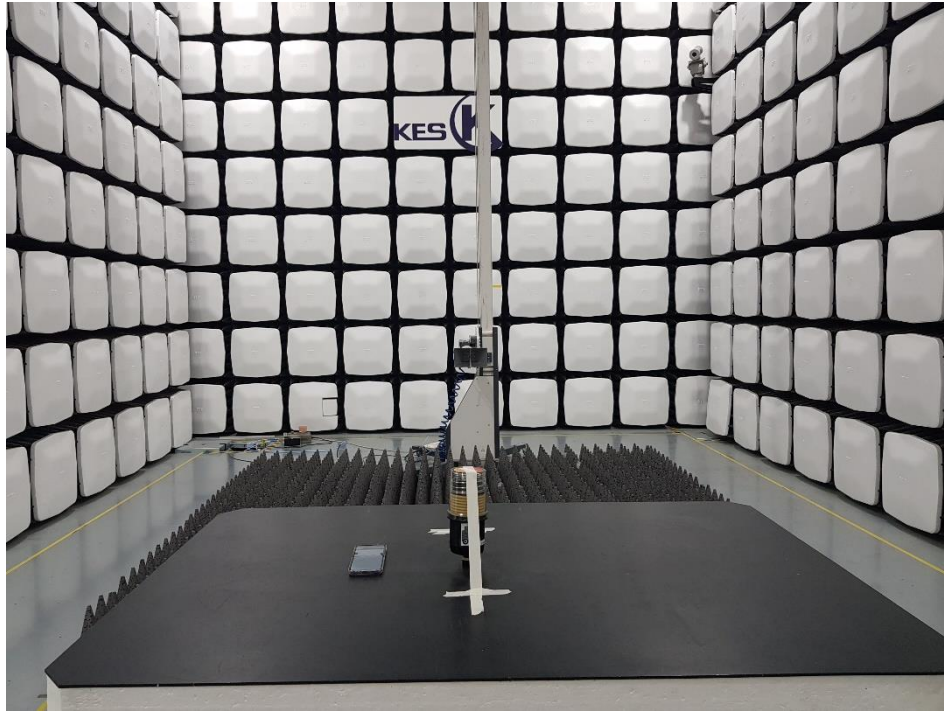
## ■ Bluetooth Mode



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**Radiated Electric Field Emissions(Above 1 GHz)****■ Operating Mode**

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**■ Bluetooth Mode**

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## EUT External Photographs

(Top)



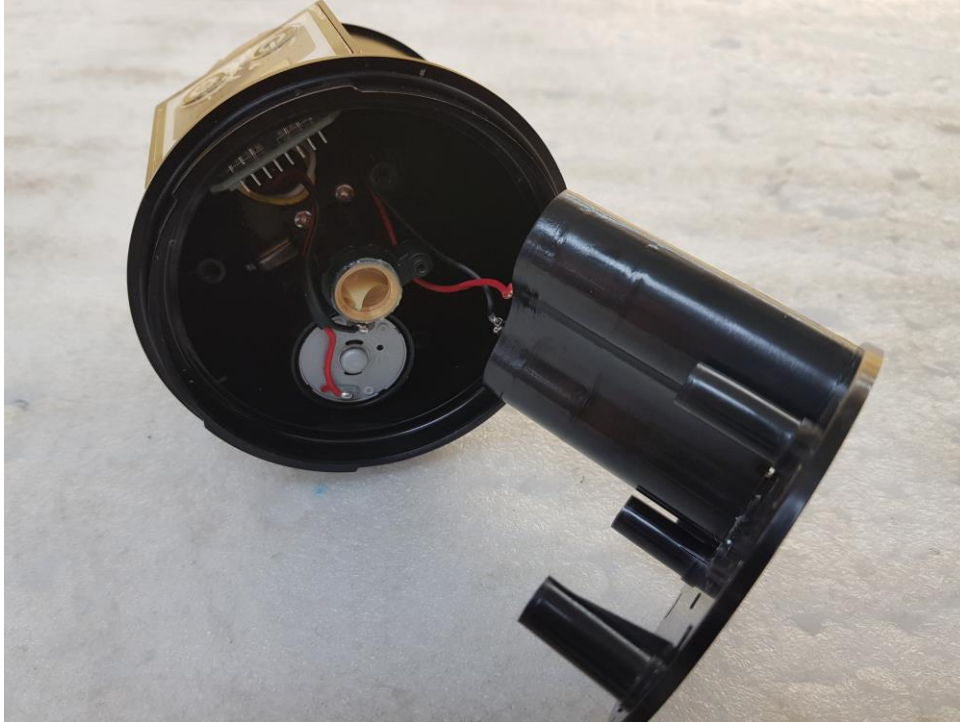
(Bottom)



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## EUT Internal Photographs

(Internal View)



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## Label Photographs



LK-BT

LK-BT240