

# FCC TEST REPORT

Job No. : GPWE2311000188EC

Applicant : Cresyn Co.,Ltd

Equipment Under Test (EUT) :

Product Name : True Wireless Earbuds

Model Name : TW-E5C

FCC Authorization Type : Certification

Applied Standards : FCC Part 15 Subpart B, Class B

FCC ID : V2R-TWE5C

Date of Receipt : November 7, 2023

Date of Test : November 22, 2023

Date of Issue : November 28, 2023

Test Results : Complied

Tested by :



Jaehyeok Lee

Technical Manager :



Julia Choi

This test report does not assure KOLAS accreditation.

1) The results of this test report are effective only to the items tested.

2) The SGS Korea is not responsible for the sampling, the results of this test report apply to the sample as received.

## Remarks :

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## Revision History

| Revision | Report number        | Description |
|----------|----------------------|-------------|
| 0        | F690501-RF-EMC001885 | Initial     |
| 1        |                      |             |

## 1. General Information

### 1.1 Client Information

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Applicant            | Cresyn Co.,Ltd                                                              |
| Applicant Address    | 5, Gangnam-daero 107-gil, Seocho-gu, Seoul, Republic of Korea               |
| Manufacturer         | Cresyn Co.,Ltd                                                              |
| Manufacturer Address | 5, Gangnam-daero 107-gil, Seocho-gu, Seoul, Republic of Korea               |
| Factory              | CRESYN HANOI CO., LTD.                                                      |
| Factory Address      | Dong Tho Industrial Complex, Yen Phong District, Bac Ninh Province, Vietnam |

### 1.2 Test Laboratory

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| Name and Address     | SGS Korea Co., Ltd.                                                                    |
| - Giheung Laboratory | 35, Giheungdanji-ro 121beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea |
| - Gunpo Laboratory   | 4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, 15807, Republic of Korea                  |
| - Dongtan Laboratory | 12, Dongtansandan 10-gil, Hwaseong-si, Gyeonggi-do, 18487, Republic of Korea           |
| FCC Registration No. | KR0150                                                                                 |
| Phone                | + 82 31 548 0710                                                                       |
| Fax                  | + 82 31 548 0719                                                                       |
| e-mail               | <a href="mailto:julia.choi@sgs.com">julia.choi@sgs.com</a>                             |

### 1.3 General Information of E.U.T.

| Classification           | Specification                                |
|--------------------------|----------------------------------------------|
| Product Name             | True Wireless Earbuds                        |
| Model Name               | TW-E5C                                       |
| Serial No.               | -                                            |
| EMI Classification       | Class B                                      |
| Internal Clock Frequency | 2 480 Mhz (Wireless Tx Freq. : 2 480 Mhz)    |
| Operating Power          | Min 3.0V, Normal 3.7V, Max 4.2V              |
| Test Voltage             | 120 V~, 60 Hz                                |
| H/W Version              | 1.0                                          |
| S/W Version              | 1.0                                          |
| Port                     | USB(C-type), POGO Pin                        |
| Components               | Bluetooth Headset, cradle, C to A USB Cable  |
| Function                 | Wireless Bluetooth headset & charging cradle |

### 1.4 Operating Modes and Conditions

|                |                                                |
|----------------|------------------------------------------------|
| Operating mode | Operating Condition                            |
| Charging Mode  | Status that the EUT is charging through cradle |

### 1.5 Peripheral Equipments

| Description    | Model      | Serial No. | Manufacturer        | Note. |
|----------------|------------|------------|---------------------|-------|
| Travel adapter | ETA0U83EWE | -          | Samsung Electronics |       |

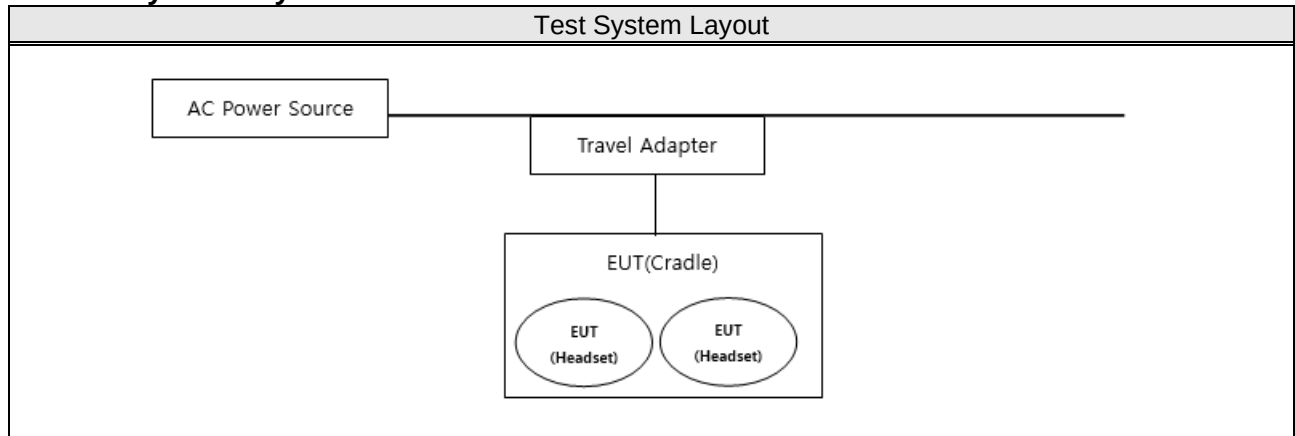
### 1.6 Cable List

| Start       |            | END            |            | Cable Spec. |          | Used core |
|-------------|------------|----------------|------------|-------------|----------|-----------|
| Name        | I/O Port   | Name           | I/O Port   | Length (m)  | Shield   |           |
| EUT(cradle) | USB C-type | Travel Adapter | USB A-type | 0.2         | Shielded | No        |
|             | POGO Pin   | EUT(Headset)   | POGO       | -           | -        | -         |

### 1.7 System Configurations

| Description                 | Model           | Serial No. | Manufacturer                      | Note |
|-----------------------------|-----------------|------------|-----------------------------------|------|
| Cradle board                | 002005_V1.0     | -          | -                                 | -    |
| Cradle sub board            | 002005_V1.0     | -          | -                                 | -    |
| Rechargeable Li-ion battery | 751235          | -          | Chogqing VDL Electronics Co.,Ltd. | -    |
| Left headset main board     | TWS102 L REV3.0 | -          | -                                 | -    |
| Left headset sub board      | UNIT L V1.0     | -          | -                                 | -    |
| Left battery                | 1ICR13/6        | -          | -                                 | -    |
| Right headset main board    | TWS102 R REV3.0 | -          | -                                 | -    |
| Right headset sub board     | UNIT L V1.0     | -          | -                                 | -    |
| Right battery               | 1ICR13/6        | -          | -                                 | -    |

### 1.8 Test System Layout



### 1.9 Modifications/Notes

- There was no modified item during the test.

### 1.10 Applicable Standards for Testing

| Standards               | Status     | Deviation    |
|-------------------------|------------|--------------|
| FCC Part 15 : Subpart B | Applicable | No Deviation |

### 1.11 Summary of Test Results

| Test Item          | Standards                                                | Results  |
|--------------------|----------------------------------------------------------|----------|
| Conducted Emission | FCC Part 15 Subpart B Section 15.107<br>ANSI C63.4a:2017 | Complied |
| Radiated Emission  | FCC Part 15 Subpart B Section 15.109<br>ANSI C63.4a:2017 | Complied |

Note : Test methods of all test items are performed according to the basic standards in this table.

# EMISSION

## 2.1 Test Results

| Test Items         | Standards                                                | Test Results |
|--------------------|----------------------------------------------------------|--------------|
| Conducted Emission | FCC Part 15 Subpart B Section 15.107<br>ANSI C63.4a:2017 | Complied     |
| Radiated Emission  | FCC Part 15 Subpart B Section 15.109<br>ANSI C63.4a:2017 | Complied     |

## 2.2 Test Method and Limits

### 2.2.1 Test Method

| Test Items         | Measuring Frequency Range | RBW     | Measuring Distance |
|--------------------|---------------------------|---------|--------------------|
| Conducted Emission | 0.15 MHz ~ 30 MHz         | 9 kHz   | -                  |
| Radiated Emission  | 30 MHz ~ 1 GHz            | 120 kHz | 10 m & 3 m         |
|                    | Above 1 GHz               | 1 MHz   | 3 m                |

Note : 10 m method of radiated emission measurement is only applied to Class A equipment over the frequency range of 30 MHz ~ 1 GHz. Except this, 3 m method is applied to Class B equipment over the frequency range of 30 MHz ~ 1 GHz and Class A and Class B equipment above 1 GHz.

### 2.2.2 Test Limits

#### -Conducted Emission Limits

| Frequency Range    | Limits(dB $\mu$ V) |          | Class   |
|--------------------|--------------------|----------|---------|
|                    | Quasi-peak         | Average  |         |
| 0.15 MHz ~ 0.5 MHz | 79                 | 66       | Class A |
| 0.5 MHz ~ 30 MHz   | 73                 | 60       |         |
| 0.15 MHz ~ 0.5 MHz | 66 to 56           | 56 to 46 | Class B |
| 0.5 MHz ~ 5 MHz    | 56                 | 46       |         |
| 5 MHz ~ 30 MHz     | 60                 | 50       |         |

Note : The lower limit shall apply at the transition frequencies. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

#### -Radiated Emission Limits below 1 GHz

| Frequency Range   | Limits(dB $\mu$ V/m) | Class                    |
|-------------------|----------------------|--------------------------|
|                   | Quasi-peak           |                          |
| 30 MHz ~ 88 MHz   | 39.0                 | Class A<br>(10 m method) |
| 88 MHz ~ 216 MHz  | 43.5                 |                          |
| 216 MHz ~ 960 MHz | 46.4                 |                          |
| 960 MHz ~ 1 GHz   | 49.5                 |                          |
| 30 MHz ~ 88 MHz   | 40.0                 | Class B<br>(3 m method)  |
| 88 MHz ~ 216 MHz  | 43.5                 |                          |
| 216 MHz ~ 960 MHz | 46.0                 |                          |
| 960 MHz ~ 1 GHz   | 54.0                 |                          |

### -Radiated Emission Limits above 1 GHz (3 m method)

| Frequency Range | Limits(dB $\mu$ V/m) |      | Class   |
|-----------------|----------------------|------|---------|
|                 | Average              | Peak |         |
| Above 1 GHz     | 59.5                 | 79.5 | Class A |
| Above 1 GHz     | 54.0                 | 74.0 | Class B |

Note : The limits of class A equipment is extrapolated using an extrapolation factor of 20 dB/decade because it was measured at 3 m distance not 10 m distance.

## 2.3 Conducted Disturbance

The initial preliminary exploratory scans were performed over the measuring frequency range(0.15 MHz to 30 MHz) using a max hold mode incorporating a Peak detector and CISPR-Average detector and using the EMI measuring software. The final test data was measured using a Quasi-Peak detector and CISPR-Average detector.

Note. Measuring software

- Giheung Lab.: EMC32(V10.40.10) from R&S
- Gunpo Lab.: EMC32(V10.60.20) from R&S
- Dongtan Lab.: EMC32(V10.40.00) from R&S

### 2.3.1 Test Equipments

| Equipment         | Model          | Manufacturer | Serial No | Cal Due. Date |
|-------------------|----------------|--------------|-----------|---------------|
| EMI TEST RECEIVER | ESU8           | R&S          | 100128    | 2024.05.25    |
| 2-LINE V-NETWORK  | ENV216         | R&S          | 101180    | 2024.08.04    |
| PULSE LIMITER     | ESH3-Z2        | R&S          | 100283    | 2024.08.28    |
| RF Cable          | EMH-1Lab-CE-01 | -            | -         | -             |

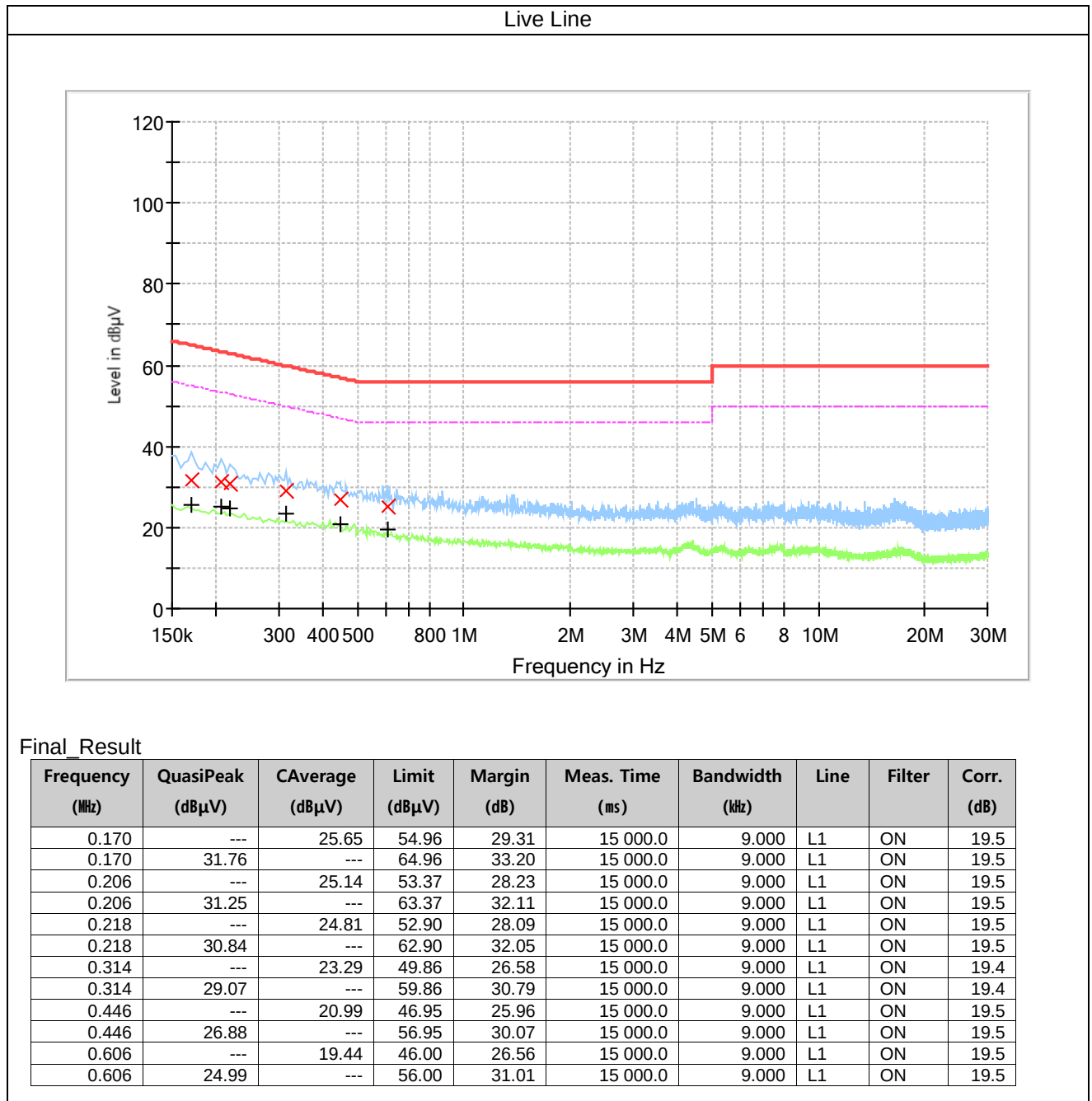
### 2.3.2 Test Site

Shield Room in Giheung Laboratory

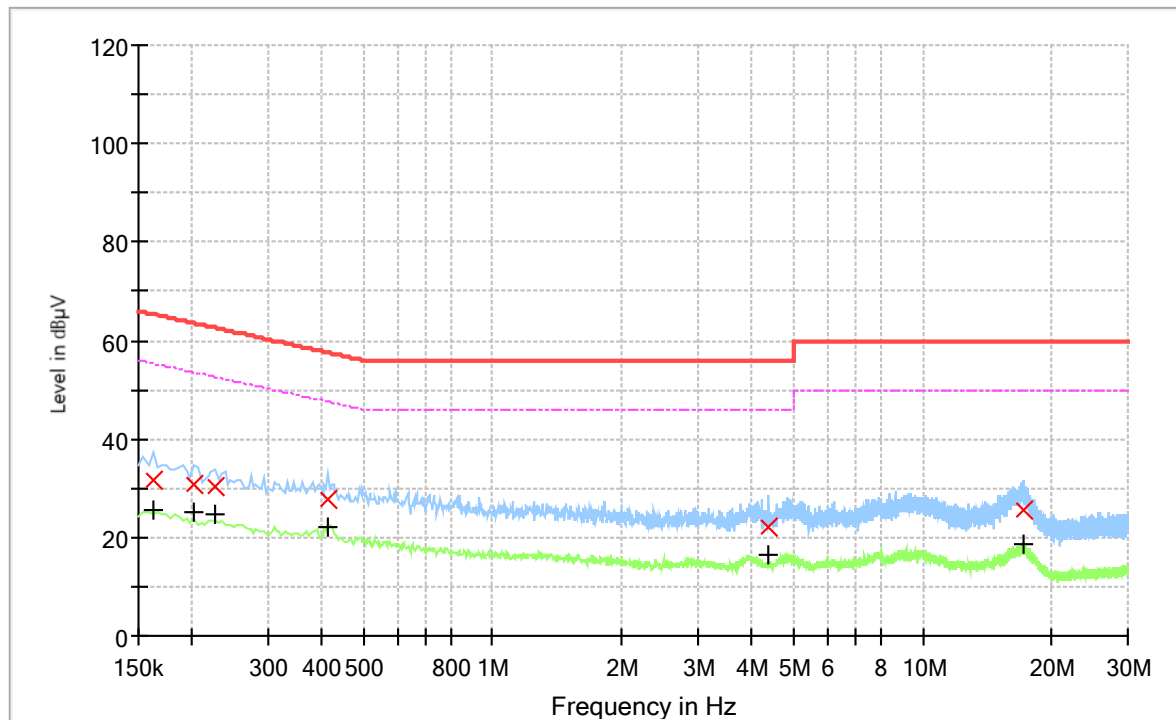
### 2.3.3 Environment Conditions

|                      |                                     |
|----------------------|-------------------------------------|
| Temperature          | (Minimum 21.2, Maximum 22.4) °C     |
| Humidity             | (Minimum 31.0, Maximum 32.0) % R.H. |
| Atmospheric Pressure | (Minimum 101.2, Maximum 101.2) kPa  |
| Test Date            | November 22, 2023                   |

### 2.3.4 Test Results



### Neutral Line



### Final Result

| Frequency (MHz) | QuasiPeak (dBμV) | CAverage (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|-----------------|-----------------|------|--------|------------|
| 0.162           | ---              | 25.76           | 55.36        | 29.60       | 15 000.0        | 9.000           | N    | ON     | 19.5       |
| 0.162           | 31.62            | ---             | 65.36        | 33.74       | 15 000.0        | 9.000           | N    | ON     | 19.5       |
| 0.202           | ---              | 25.00           | 53.53        | 28.53       | 15 000.0        | 9.000           | N    | ON     | 19.5       |
| 0.202           | 30.67            | ---             | 63.53        | 32.85       | 15 000.0        | 9.000           | N    | ON     | 19.5       |
| 0.226           | ---              | 24.57           | 52.60        | 28.02       | 15 000.0        | 9.000           | N    | ON     | 19.5       |
| 0.226           | 30.39            | ---             | 62.60        | 32.20       | 15 000.0        | 9.000           | N    | ON     | 19.5       |
| 0.414           | ---              | 22.13           | 47.57        | 25.44       | 15 000.0        | 9.000           | N    | ON     | 19.5       |
| 0.414           | 27.85            | ---             | 57.57        | 29.71       | 15 000.0        | 9.000           | N    | ON     | 19.5       |
| 4.386           | ---              | 16.59           | 46.00        | 29.41       | 15 000.0        | 9.000           | N    | ON     | 19.7       |
| 4.386           | 22.28            | ---             | 56.00        | 33.72       | 15 000.0        | 9.000           | N    | ON     | 19.7       |
| 17.190          | ---              | 18.56           | 50.00        | 31.44       | 15 000.0        | 9.000           | N    | ON     | 19.9       |
| 17.190          | 25.62            | ---             | 60.00        | 34.38       | 15 000.0        | 9.000           | N    | ON     | 19.9       |

Measurement Uncertainty : See Appendix A

Note : • ( L1 ) : Live

• Margin = Limit – Quasi Peak or CAverage

• ( N ) : Neutral

• Corr. = LISN Factor + Cable loss + Pulse Limiter factor

Ex) In case

Freq ; 0.5 MHz, level ; 30 dB(μV), CL ; 0.2 dB, LISN ; 9.5 dB, P/L: 9.8 dB

Result = Level + CL + LISN + P/L

= 30 + 0.2 + 9.5 + 9.8

= 49.5

Margin = Limit – Result

= 79 - 49.5

= 29.5

## 2.4 Radiated Emission

The initial preliminary exploratory scans were performed over the measuring frequency range (30 MHz to 13 GHz) using a max hold mode incorporating a Peak detector by using the EMI measuring software. The final test data was measured using a Quasi-Peak detector below 1 GHz, Peak and CISPR Average detector above 1 GHz. 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.

Note. Measuring software

- Giheung Lab.: EMC32(V10.40.10) from R&S
- Gunpo Lab.: EP5RE(V5.3.70) from TOYO
- Dongtan Lab.: EMC32(V10.40.10) from R&S

### 2.4.1 Test Equipments

| Equipment                  | Model          | Manufacturer | Serial No | Cal Due. Date |
|----------------------------|----------------|--------------|-----------|---------------|
| EMI TEST RECEIVER          | ESU40          | R&S          | 100075    | 2024.01.19    |
| Hybrid ANTENNA             | VULB 9163      | SCHWARZBECK  | 9163-396  | 2024.03.22    |
| Double Ridged Horn Antenna | HF907          | R&S          | 100208    | 2024.03.09    |
| PREAMPLIFIER               | AM-1431        | MITEQ        | 1336160   | 2024.05.23    |
| AMPLIFIER                  | SCU 18         | R&S          | 10070     | 2024.08.24    |
| RF Cable                   | EMH-1Lab-RE-01 | -            | -         | -             |
| RF Cable                   | EMH-1Lab-RE-04 | -            | -         | -             |
| RF Cable                   | EMH-1Lab-RE-05 | -            | -         | -             |
| RF Cable                   | EMH-1Lab-RE-06 | -            | -         | -             |

Note: The calibration period of every equipment is 1 year.

### 2.4.2 Test Site

10 m SEMI-ANECHOIC CHAMBER in Giheung Laboratory

### 2.4.3 Environment Conditions

#### Below 1 GHz

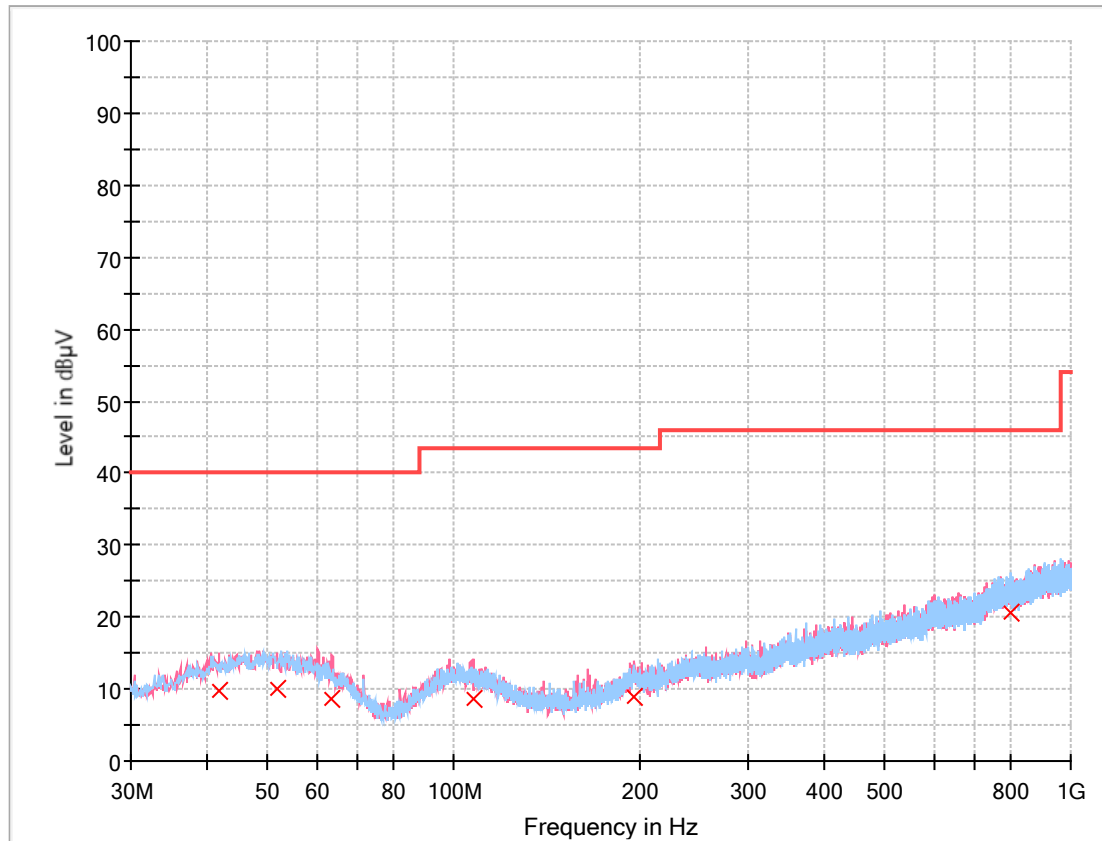
|                      |                                     |
|----------------------|-------------------------------------|
| Temperature          | (Minimum 19.5, Maximum 20.2) °C     |
| Humidity             | (Minimum 31.0, Maximum 35.0) % R.H. |
| Atmospheric Pressure | (Minimum 101.2, Maximum 101.2) kPa  |
| Test Date            | November 22, 2023                   |

#### Above 1 GHz

|                      |                                     |
|----------------------|-------------------------------------|
| Temperature          | (Minimum 19.5, Maximum 20.2) °C     |
| Humidity             | (Minimum 31.0, Maximum 35.0) % R.H. |
| Atmospheric Pressure | (Minimum 101.2, Maximum 101.2) kPa  |
| Test Date            | November 22, 2023                   |

## 2.4.4 Test Results

### Below 1 GHz (3 m method)



### Final Result

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|--------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|------------|
| 41.737          | 9.88               | 40.00          | 30.12       | 15 000.0        | 120.000         | 221.0       | V   | 344.0         | -18.2      |
| 51.631          | 10.06              | 40.00          | 29.94       | 15 000.0        | 120.000         | 215.0       | V   | 225.0         | -17.5      |
| 63.562          | 8.51               | 40.00          | 31.49       | 15 000.0        | 120.000         | 212.0       | V   | 92.0          | -19.8      |
| 107.503         | 8.62               | 43.50          | 34.88       | 15 000.0        | 120.000         | 135.0       | V   | 225.0         | -19.7      |
| 196.646         | 8.80               | 43.50          | 34.70       | 15 000.0        | 120.000         | 111.0       | V   | 218.0         | -19.3      |
| 796.494         | 20.58              | 46.00          | 25.42       | 15 000.0        | 120.000         | 160.0       | H   | 104.0         | -8.0       |

Measurement Uncertainty: See Appendix A

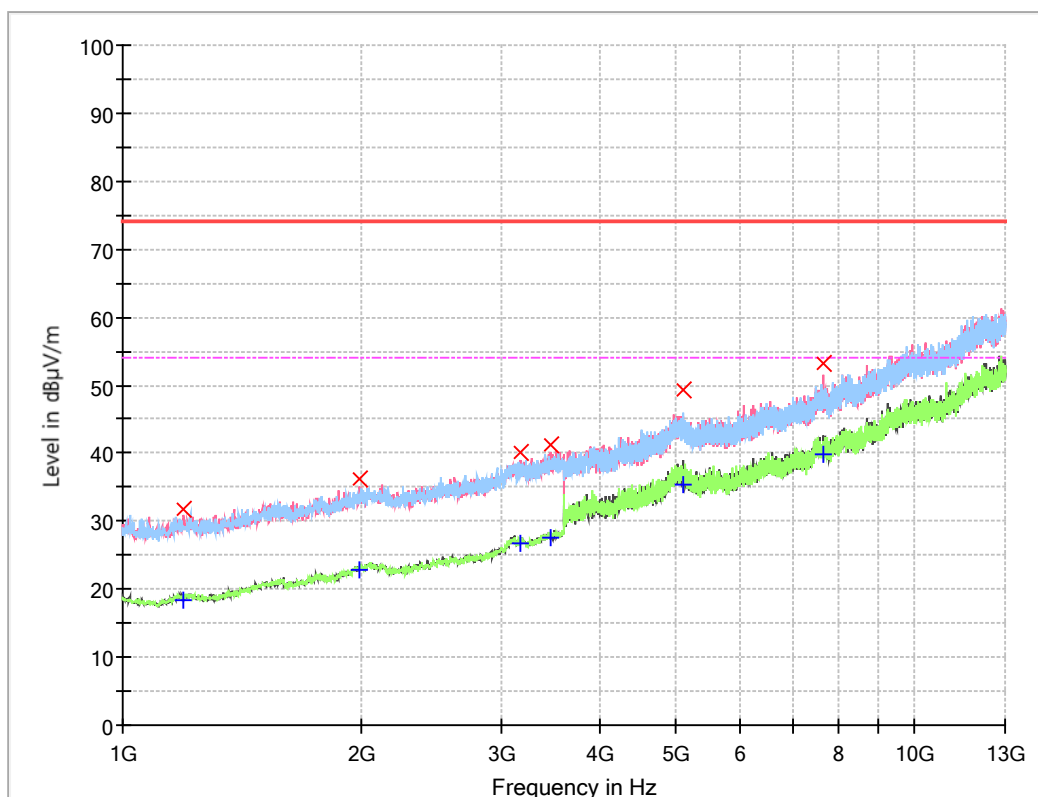
Note : • POL H = Horizontal

• POL V = Vertical

• Margin = Limit – Quasi Peak

• Corr. = Antenna Factor + Cable loss – Amplifier Gain

## Above 1 GHz (3 m method)



## 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) |
|-----------------|------------------|-------------------|----------------|-------------|----------------|-----------------|-------------|-----|---------------|------------|
| 1 195.600       | 31.77            | ---               | 74.00          | 42.23       | 15 000.0       | 1 000.000       | 100.0       | V   | 208.0         | -14.1      |
| 1 195.600       | ---              | 18.33             | 54.00          | 35.67       | 15 000.0       | 1 000.000       | 100.0       | V   | 208.0         | -14.1      |
| 1 993.600       | 36.31            | ---               | 74.00          | 37.69       | 15 000.0       | 1 000.000       | 100.0       | V   | 358.0         | -7.4       |
| 1 993.600       | ---              | 22.76             | 54.00          | 31.24       | 15 000.0       | 1 000.000       | 100.0       | V   | 358.0         | -7.4       |
| 3 176.800       | ---              | 26.71             | 54.00          | 27.29       | 15 000.0       | 1 000.000       | 100.0       | V   | 234.0         | -1.7       |
| 3 176.800       | 40.16            | ---               | 74.00          | 33.84       | 15 000.0       | 1 000.000       | 100.0       | V   | 234.0         | -1.7       |
| 3 461.200       | ---              | 27.53             | 54.00          | 26.47       | 15 000.0       | 1 000.000       | 100.0       | V   | 261.0         | -0.9       |
| 3 461.200       | 41.36            | ---               | 74.00          | 32.64       | 15 000.0       | 1 000.000       | 100.0       | V   | 261.0         | -0.9       |
| 5 093.200       | ---              | 35.51             | 54.00          | 18.49       | 15 000.0       | 1 000.000       | 100.0       | H   | 123.0         | 6.4        |
| 5 093.200       | 49.27            | ---               | 74.00          | 24.73       | 15 000.0       | 1 000.000       | 100.0       | H   | 123.0         | 6.4        |
| 7 670.800       | 53.33            | ---               | 74.00          | 20.67       | 15 000.0       | 1 000.000       | 100.0       | V   | 0.0           | 11.0       |
| 7 670.800       | ---              | 39.77             | 54.00          | 14.23       | 15 000.0       | 1 000.000       | 100.0       | V   | 0.0           | 11.0       |

Measurement Uncertainty : See Appendix A

Note : • AF = Antenna Factor

• POL H = Horizontal

• H = Height

• Corr. = AF + CL – AMP

• CL = Cable Loss

• POL V = Vertical

• Margin = Limit – Result

\*\* The value of 'Level' includes 'Corr.'.

• AMP = Amplifier Gain

• A = Angle

Ex) In case

Freq ; 100 MHz, level ; 30 dB(μV/m), AF ; 10 dB/m, CL ; 4 dB, Amp ; 25 dB

Result = Level + AF + CL – Amp

= 30 + 10 + 4 - 25

= 19

Margin = Limit – Result

= 43.5 – 19

= 24.5

## Appendix A : Measurement Uncertainty

### - Giheung Laboratory

| Test Method                 |                    | Measurement Uncertainty                         |                                                 |
|-----------------------------|--------------------|-------------------------------------------------|-------------------------------------------------|
| Conducted Emission          |                    | ENV216                                          | 3.7 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                    | ESH2-Z5                                         | 3.2 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                    | ESH3-Z6                                         | 3.2 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                    | NNLK8129                                        | 3.1 dB (The confidential level is 95 %, $k=2$ ) |
| Conducted Emission - Signal |                    | ISN T800                                        | 5.4 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                    | ISN ST08                                        | 6.6 dB (The confidential level is 95 %, $k=2$ ) |
| Discontinuous               |                    | 2.7 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
| Radiated Emission           | 9 kHz ~30 MHz      | Horizontal                                      | 3.3 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                    | Vertical                                        | 3.3 dB (The confidential level is 95 %, $k=2$ ) |
|                             | 30 MHz ~ 1 000 MHz | Horizontal                                      | 4.3 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                    | Vertical                                        | 4.6 dB (The confidential level is 95 %, $k=2$ ) |
|                             | 1 GHz ~ 18 GHz     | Horizontal                                      | 3.9 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                    | Vertical                                        | 4.0 dB (The confidential level is 95 %, $k=2$ ) |

### - Gunpo Laboratory

| Test Method                             |                    | Measurement Uncertainty                         |                                                 |
|-----------------------------------------|--------------------|-------------------------------------------------|-------------------------------------------------|
| Conducted Emission                      |                    | ENV216                                          | 4.0 dB (The confidential level is 95 %, $k=2$ ) |
|                                         |                    | ESH2-Z5                                         | 3.6 dB (The confidential level is 95 %, $k=2$ ) |
|                                         |                    | ESH3-Z6                                         | 3.8 dB (The confidential level is 95 %, $k=2$ ) |
| Conducted Emission - Signal             |                    | ISN T800                                        | 5.8 dB (The confidential level is 95 %, $k=2$ ) |
|                                         |                    | ISNT8-Cat6                                      | 5.8 dB (The confidential level is 95 %, $k=2$ ) |
|                                         |                    | ISN S751                                        | 7.5 dB (The confidential level is 95 %, $k=2$ ) |
| Disturbance Voltage at Antenna Terminal |                    | 2.9 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
| Radiated Emission                       | 9 kHz ~30 MHz      | Horizontal                                      | 3.4 dB (The confidential level is 95 %, $k=2$ ) |
|                                         |                    | Vertical                                        | 3.4 dB (The confidential level is 95 %, $k=2$ ) |
|                                         | 30 MHz ~ 1 000 MHz | Horizontal                                      | 4.5 dB (The confidential level is 95 %, $k=2$ ) |
|                                         |                    | Vertical                                        | 5.1 dB (The confidential level is 95 %, $k=2$ ) |
|                                         | 1 GHz ~ 18 GHz     | Horizontal                                      | 3.7 dB (The confidential level is 95 %, $k=2$ ) |
|                                         |                    | Vertical                                        | 3.9 dB (The confidential level is 95 %, $k=2$ ) |

**- Dongtan Laboratory**

| Test Method                 |                                     | Measurement Uncertainty                         |                                                 |
|-----------------------------|-------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Conducted Emission          | ENV216                              | 3.5 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
|                             | ESH2-Z5                             | 3.3 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
|                             | ESH3-Z6                             | 3.3 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
|                             | NNLK8129                            | 3.4 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
| Conducted Emission - Signal | ISN T800                            | 5.7 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
|                             | ISN ST08                            | 5.5 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
| Discontinuous               |                                     | 2.9 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
| disturbance Power           |                                     | 3.9 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
| Radiated Emission           | 9 kHz ~30 MHz<br>(Triple Loop Ant.) | 3.4 dB (The confidential level is 95 %, $k=2$ ) |                                                 |
|                             | 9 kHz ~30 MHz<br>(Loop Ant.)        | Horizontal                                      | 3.8 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                                     | Vertical                                        | 3.8 dB (The confidential level is 95 %, $k=2$ ) |
|                             | 30 MHz ~ 1 000 MHz                  | Horizontal                                      | 4.8 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                                     | Vertical                                        | 5.4 dB (The confidential level is 95 %, $k=2$ ) |
|                             | 1 GHz ~ 18 GHz                      | Horizontal                                      | 4.1 dB (The confidential level is 95 %, $k=2$ ) |
|                             |                                     | Vertical                                        | 4.2 dB (The confidential level is 95 %, $k=2$ ) |

**- End of Test Report -**