

# TEST REPORT



**CTK Co., Ltd.**  
(Ho-dong), 113, Yejik-ro, Cheoin-gu,  
Yongin-si, Gyeonggi-do, Korea  
Tel: +82-31-339-9970  
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Report No.:  
CTK-2021-02937  
Page (1) / (18) Pages

## 1. Client

- Name : EVERINT Co.,Ltd.
- Address : (Yongtan-dong), 129, Chungjusandan1-ro, Chungju-si, Chungcheongbuk-do, Korea 27326
- Date of Receipt : 2021-07-20

## 2. Manufacturer

- Name : 1. EVERINT Co.,Ltd.  
2. BIXOLON Co.,Ltd.  
3. IDRO CO.,Ltd.
- Address : 1. (Yongtan-dong), 129, Chungjusandan1-ro, Chungju-si, Chungcheongbuk-do, Korea 27326  
2. 7th~8th FL, MiraeAsset Venture Tower, 20, Pangyoyeok-ro 241beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea  
3. 219-Ho, Acegwanggyotower-1Cha, Daehak 4-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea

## 3. Use of Report : For FCC & ISED Certification

## 4. Test Sample / Model: UHF RFID Reader Module / IDRO900MI-m

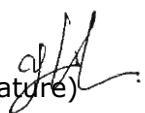
## 5. Date of Test : 2021-07-29 to 2020-07-29

## 6. Test Standard(method) used : FCC 47 CFR part 15 subpart C 15.247 RSS-247 Issue 2 & RSS-Gen Issue 5

## 7. Testing Environment: Temp.: (20 ± 1) °C, Humidity: (48 ± 3) % R.H.

## 8. Test Results : Compliance

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.

|             |                                                                                                              |                                                                                                                   |
|-------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Affirmation | Tested by                                                                                                    | Technical Manager                                                                                                 |
|             | Ji-Hye, Kim: (Signature)  | Young-taek Lee: (Signature)  |

2021-08-04

Republic of KOREA **CTK Co., Ltd.**



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## REPORT REVISION HISTORY

| Date       | Revision                | Page No |
|------------|-------------------------|---------|
| 2021-08-04 | Issued (CTK-2021-02937) | all     |
|            |                         |         |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--|

# 1. General Product Description

## 1.1 Client Information

|                       |                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------|
| <b>Company</b>        | EVERINT Co.,Ltd.                                                                                     |
| <b>Contact Point</b>  | (Yongtan-dong), 129, Chungjusandan1-ro, Chungju-si,<br>Chungcheongbuk-do, Korea 27326                |
| <b>Contact Person</b> | Name : Ji-Sung Shin<br>E-mail : jsshin@bixolon.com<br>Tel : +82-31-218-5582<br>Fax : +82-31-218-5589 |

## 1.2 Product Information

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| <b>FCC ID</b>                | 2AKMF-IDRO900MI                                   |
| <b>ISED</b>                  | 22266-IDRO900MI                                   |
| <b>Product Description</b>   | UHF RFID Reader Module                            |
| <b>Model name</b>            | IDRO900MI-m                                       |
| <b>Operating Band</b>        | 902 MHz - 928 MHz                                 |
| <b>Frequency Range</b>       | 902.75 MHz - 927.25 MHz                           |
| <b>RF Output Power</b>       | 28.03 dBm (0.635 W)                               |
| <b>Antenna Specification</b> | Antenna Type 1 : PCB Antenna<br>Gain : -39.50 dBi |
|                              | Antenna Type 2 : PCB Antenna<br>Gain : -10.68 dBi |
|                              | Antenna Type 3 : PCB Antenna<br>Gain : -36.56 dBi |
| <b>Number of channels</b>    | 50                                                |
| <b>Channel Spacing</b>       | 500 kHz                                           |
| <b>Type of Modulation</b>    | ASK                                               |
| <b>Power Source</b>          | DC 4 V                                            |
| <b>Hardware Rev</b>          | V06                                               |
| <b>Software Rev</b>          | V20031900                                         |

## 1.3 Peripheral Devices

| Device        | Manufacturer | Model No.  | Serial No. |
|---------------|--------------|------------|------------|
| Note Computer | HP           | 15-bs563TU | CND7253R6N |
| AC/DC Adapter | HP           | HSTNN-CA40 | -          |

## 2. Facility and Accreditations

### 2.1 Test Facility

The measurement facility is located at (Ho-dong), 113, Yejik-ro, Cheoin-gu, Yong-in-si, Gyeonggi-do, Korea.

### 2.2 Laboratory Accreditations and Listings

| Country | Agency | Registration Number |
|---------|--------|---------------------|
| USA     | FCC    | 805871              |
| CANADA  | ISED   | 8737A-2             |
| KOREA   | NRRA   | KR0025              |

### 2.3 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. All test equipment calibrations are traceable to the Korea Research Institute of Standards and Science (KRISS), therefore, all test data recorded in this report is traceable to KRISS.

### 3. Test Specifications

#### 3.1 Standards

| FCC Part Section(s)                                                                                                             | ISED Part Section(s) | Requirement(s)                      | Status (Note 1) | Test Condition |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------|-----------------|----------------|
| 15.247(a)(1)                                                                                                                    | RSS-247 5.1(b)       | Carrier Frequency Separation        | NT(Note 4)      | Conducted      |
| 15.247(a)(1)(i)                                                                                                                 | RSS-247 5.1(d)       | Number of Hopping Frequencies       | NT(Note 4)      |                |
| 15.247(a)                                                                                                                       | RSS-247 5.1(a)       | 20 dB Bandwidth                     | NT(Note 4)      |                |
| 15.247(a)(1)(i)                                                                                                                 | RSS-247 5.1(d)       | Time of occupancy (Dwell Time)      | NT(Note 4)      |                |
| 15.247(b)(2)                                                                                                                    | RSS-247 5.4(b)       | Maximum peak conducted output power | NT(Note 4)      |                |
| 15.247(d)                                                                                                                       | RSS-247 5.5          | Unwanted emission                   | NT(Note 4)      |                |
| 15.209                                                                                                                          | RSS-Gen 8.9          | Transmitter emission                | C               | Radiated       |
| 15.207(a)                                                                                                                       | RSS-Gen 8.8          | AC Conducted Emission               | NT(Note 4)      | Line Conducted |
| <u>Note 1:</u> C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable                                                       |                      |                                     |                 |                |
| <u>Note 2:</u> The data in this test report are traceable to the national or international standards.                           |                      |                                     |                 |                |
| <u>Note 3:</u> The EUT was tested according to the following specification: FCC Part 15.247, ANSI C63.10-2013, RSS-247, RSS-Gen |                      |                                     |                 |                |
| <u>Note 4:</u> The test was performed by adding an antenna to the EUT, and test items not related to the antenna were excluded. |                      |                                     |                 |                |

#### 3.2 Mode of operation during the test

The EUT is operated in a manner representative of the typical of the equipments.  
 During at testing, system components were manipulated within the confines of typical usage to maximize each emission. All modulation modes were tests.  
 The results are only attached worst cases.

##### Test Frequency

| Lowest frequency | Middle frequency | Highest frequency |
|------------------|------------------|-------------------|
| 902.75 MHz       | 914.75 MHz       | 927.25 MHz        |

##### Test mode

|                           |
|---------------------------|
| Hopping mode              |
| Modulated single hop mode |

##### Antenna Type

|                     |                             |
|---------------------|-----------------------------|
| Type 1 : Original   | Model : BDP-1               |
| Type 2 : Original   | Model : BIP-1               |
| Type 3 : Additional | Model : XM7-40 ANT_SUB_V100 |

|                                                                                                                                                                                 |                                                                                                                                               |                                                        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--|
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--|

### 3.3 Maximum Measurement Uncertainty

The value of the measurement uncertainty for the measurement of each parameter.  
 Coverage factor  $k = 2$ , Confidence levels of 95 %

| Description                          | Uncertainty                          |
|--------------------------------------|--------------------------------------|
| Radiated Emissions ( $f \leq 1$ GHz) | 4.0 dB(C.L. : Approx. 95%, $k = 2$ ) |
| Radiated Emissions ( $f > 1$ GHz)    | 5.0 dB(C.L. : Approx. 95%, $k = 2$ ) |

### 3.4 Test Software

|               |                                      |
|---------------|--------------------------------------|
| Radiated Test | TOYO EMI software EP5RE Ver. 6.0.1.0 |
|---------------|--------------------------------------|

## 4. Technical Characteristic Test

### 4.1 Radiated Emission

#### Test Location

- ☒ 10 m SAC (test distance : ☐ 10 m, ☒ 3 m)  
☒ 3 m SAC (test distance : 3 m)

#### Test Procedures

ANSI C63.10-2013 - Section 6.4, 6.5, 6.6

- 1) In the frequency range of 9 kHz to 30 MHz, magnetic field is measured with Loop Antenna. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- 2) In the frequency range above 30 MHz, Bi-Log Test Antenna(30 MHz to 1 GHz) and Horn Test Antenna(above 1 GHz) are used. Test Antenna is 3 m away from the EUT. Test Antenna height is carried from 1 m to 4 m above the ground to determine the maximum value of the field strength. The emissions levels at both horizontal and vertical polarizations should be tested.

#### Instrument Settings

Frequency Range = 9 kHz ~ 10 GHz (10<sup>th</sup> harmonic)

- a) RBW = 1 MHz for  $f \geq 1$  GHz, 100 kHz for  $f < 1$  GHz, 9 kHz for  $f < 30$  MHz
- b) VBW  $\geq$  RBW
- c) Sweep time = auto couple

## Limit :

### [RSS-Gen 8.10]

Unwanted emissions that fall into restricted frequency bands listed in table 1 shall comply with the limits specified in table 2.

Unwanted emissions that do not fall within the restricted frequency bands listed in table 1 shall comply either with the limits specified in the applicable RSS or with those specified in table 2.

### [FCC Part 15 §15.205 ]

Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

**Table 1. Restricted Frequency Bands**

| MHz                      | MHz               | MHz                 | MHz           | MHz         | GHz                     |
|--------------------------|-------------------|---------------------|---------------|-------------|-------------------------|
| 0.09-0.11                | 8.37626-8.38675   | 73-74.6             | 399.9-410     | 2690-2900   | 10.6-12.7               |
| <sup>1</sup> 0.495-0.505 | 8.41425-8.41475   | 74.8-75.2           | 608-614       | 3260-3267   | 13.25-13.4              |
| 2.1735-2.1905            | 12.29-12.293      | 108-121.94          | 960-1240      | 3332-3339   | 14.47-14.5              |
| 4.125-4.128              | 12.51975-12.52025 | 123-138             | 1300-1427     | 3345.8-3358 | 15.35-16.2              |
| 4.17725-4.17775          | 12.57675-12.57725 | 149.9-150.05        | 1435-1626.5   | 3600-4400   | 17.7-21.4               |
| 4.20725-4.20775          | 13.36-13.41       | 156.52475-156.52525 | 1645.5-1646.5 | 4500-5150   | 22.01-23.12             |
| 6.215-6.218              | 16.42-16.423      | 156.7-156.9         | 1660-1710     | 5350-5460   | 23.6-24                 |
| 6.26775-6.26825          | 16.69475-16.69525 | 162.0125-167.17     | 1718.8-1722.2 | 7250-7750   | 31.2-31.8               |
| 6.31175-6.31225          | 16.80425-16.80475 | 167.72-173.2        | 2200-2300     | 8025-8500   | 36.43-36.5              |
| 8.291-8.294              | 25.5-25.67        | 240-285             | 2310-2390     | 9000-9200   | <sup>2</sup> Above 38.6 |
| 8.362-8.366              | 37.5-38.25        | 322-335.4           | 2483.5-2500   | 9300-9500   |                         |

<sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

<sup>2</sup> Above 38.6

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

### [FCC Part 15 §15.209]

Except as provided elsewhere in Subpart of FCC Part 15, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table :

### [RSS-Gen 8.9]

Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 2. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

**Table 2. General Field Strength Limits**

| Frequency (MHz) | Field Strength [RSS-Gen]  | Field Strength [FCC §15.209] | Field Strength (dBuV/m) | Measurement Distance (meters) |
|-----------------|---------------------------|------------------------------|-------------------------|-------------------------------|
| 0.009-0.490     | 6.37/F (F in kHz)<br>uA/m | 2400/F(kHz)<br>uV/m          | 48.5 - 13.8             | 300                           |
| 0.490-1.705     | 63.7/F (F in kHz)<br>uA/m | 24000/F(kHz)<br>uV/m         | 33.8 - 23               | 30                            |
| 1.705-30        | 0.08 uA/m                 | 30 uV/m                      | 29.5                    | 30                            |
| 30-88           | 100 uV/m                  | 100 uV/m**                   | 40                      | 3                             |
| 88-216          | 150 uV/m                  | 150 uV/m**                   | 43.5                    | 3                             |
| 216-960         | 200 uV/m                  | 200 uV/m**                   | 46                      | 3                             |
| Above 960       | 500 uV/m                  | 500 uV/m                     | 54                      | 3                             |

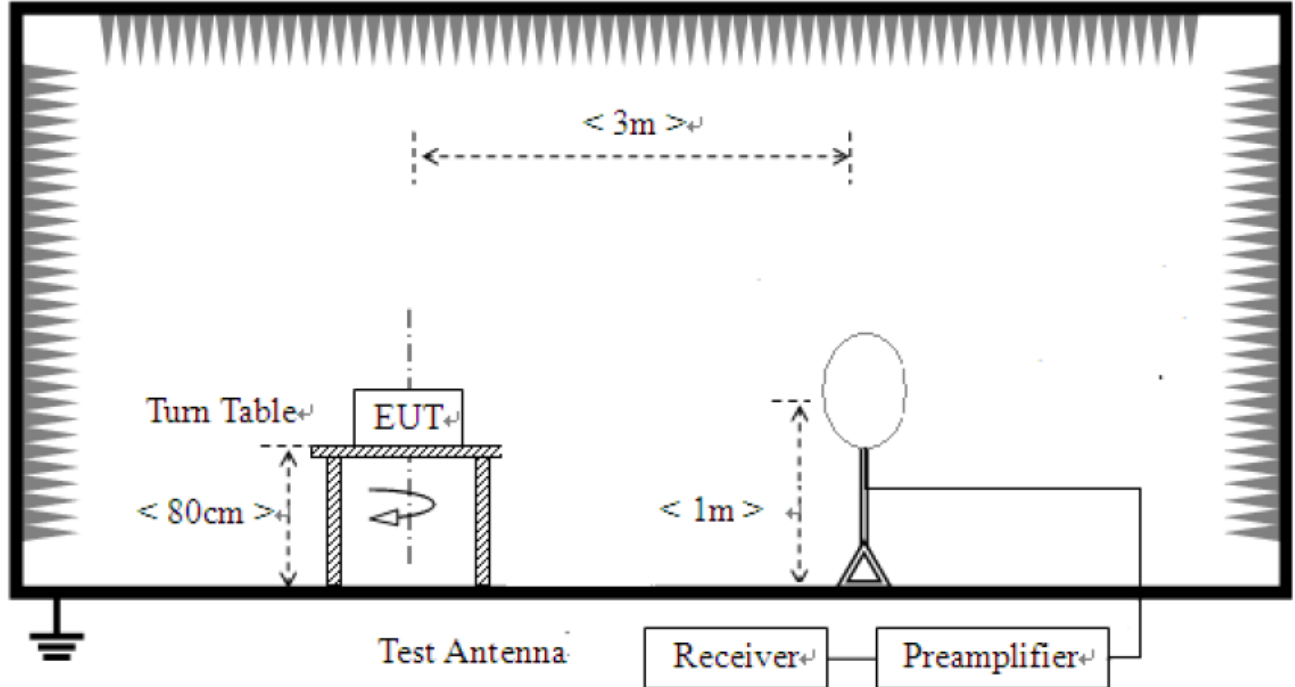
\*\* Except as provided in 15.209(g).fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72MHz, 76-88MHz, 174-216MHz, 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g.15.231 and 15.241.

Note :

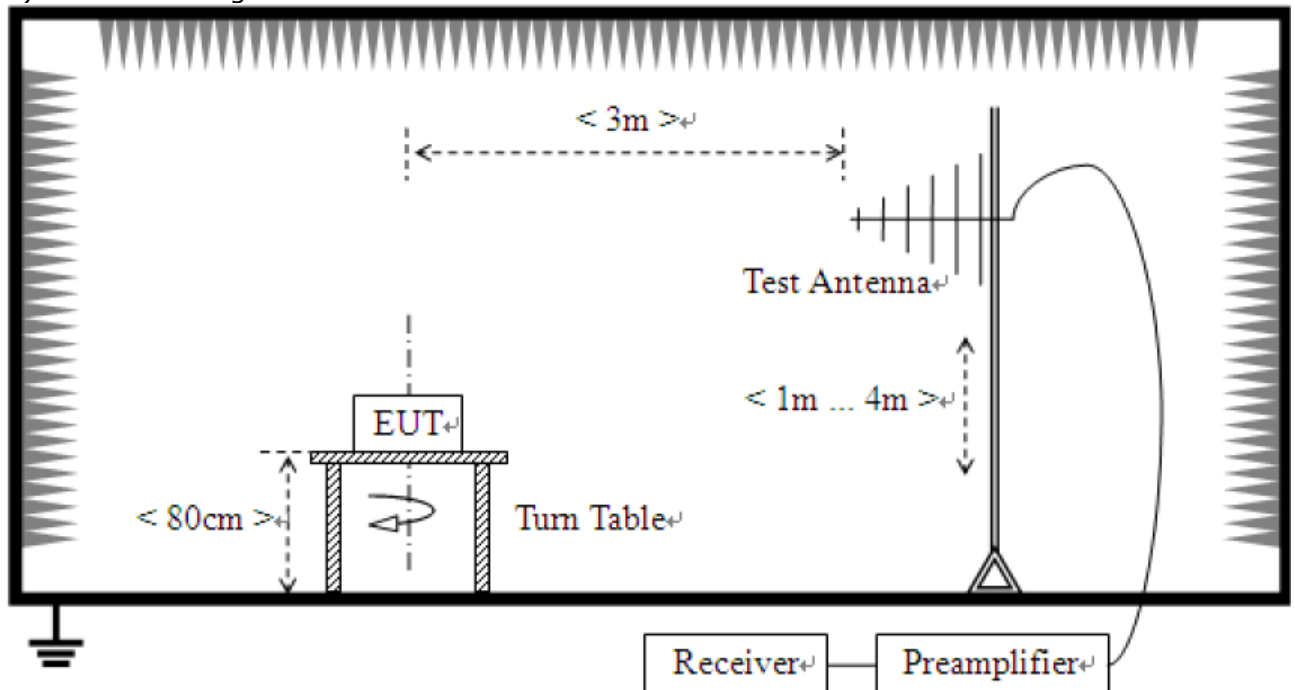
- 1) For above 1 GHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
- 2) For above 1 GHz, limit field strength of harmonics : 54 dBuV/m@3m (AV) and 74 dBuV/m@3m (PK)

### Test Setup:

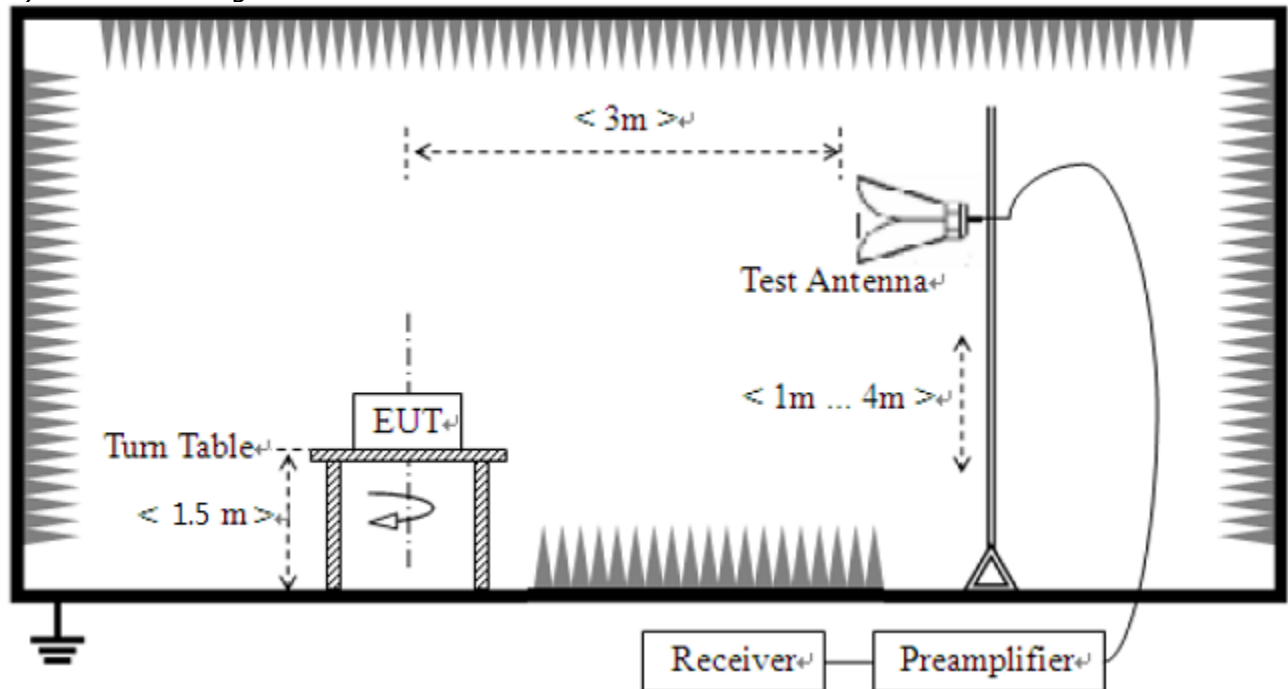
1) For field strength of emissions from 9 kHz to 30 MHz



2) For field strength of emissions from 30 MHz to 1 GHz



3) For field strength of emissions above 1 GHz



## Test results

### 1) 9 kHz to 30 MHz

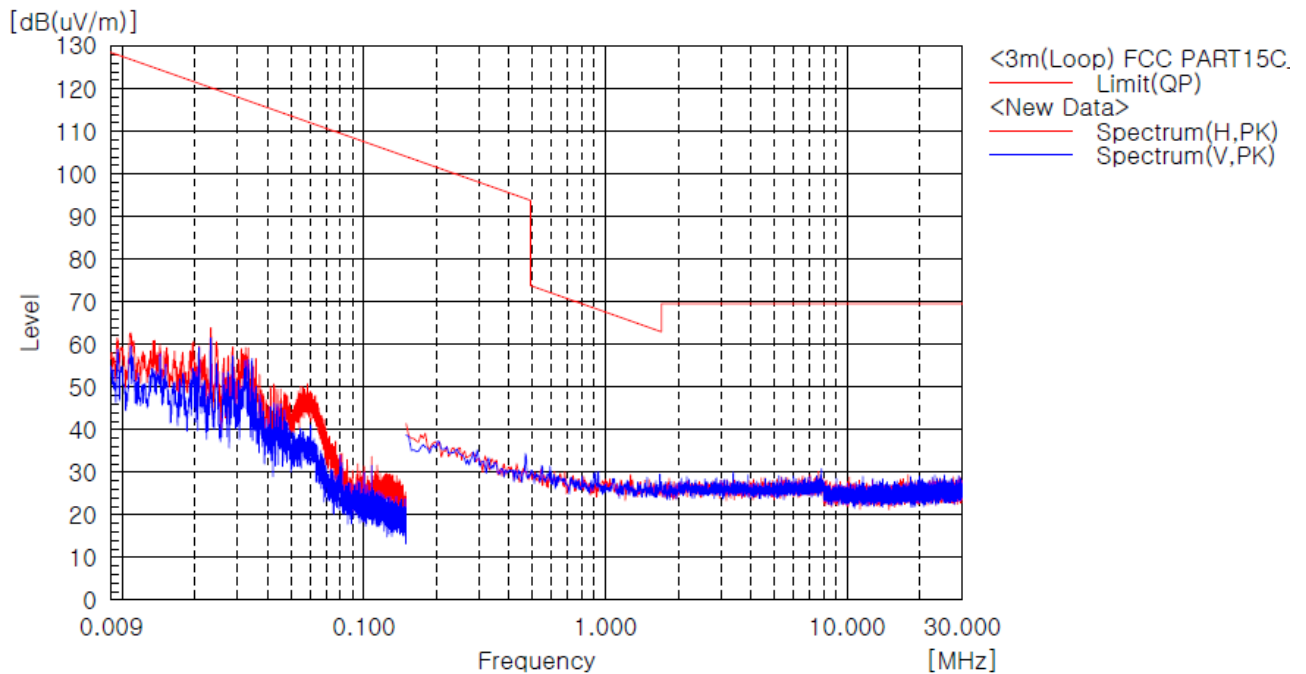
The requirements are:

☒ Complies

## Test Data

**Test mode : Antenna Type 3, Hopping mode(Worst Case)**

Test Model : IDRO900MI-m  
Test Mode : RFID  
Tester : KIM JI HYE



| Frequency [MHz]                                                | (P) | Reading [dBuV] | dB [1/m] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|----------------------------------------------------------------|-----|----------------|----------|-----------------|----------------|-------------|
| The emissions 9 kHz to 30 MHz were 20 dB lower than the limit. |     |                |          |                 |                |             |

## Remark :

1. The Unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in lie-down position (X axis) and the worst case was recorded.
2. Result = Reading + c.f(Correction factor)
3. Correction factor = Antenna factor + Cable loss + 6 dB attenuator

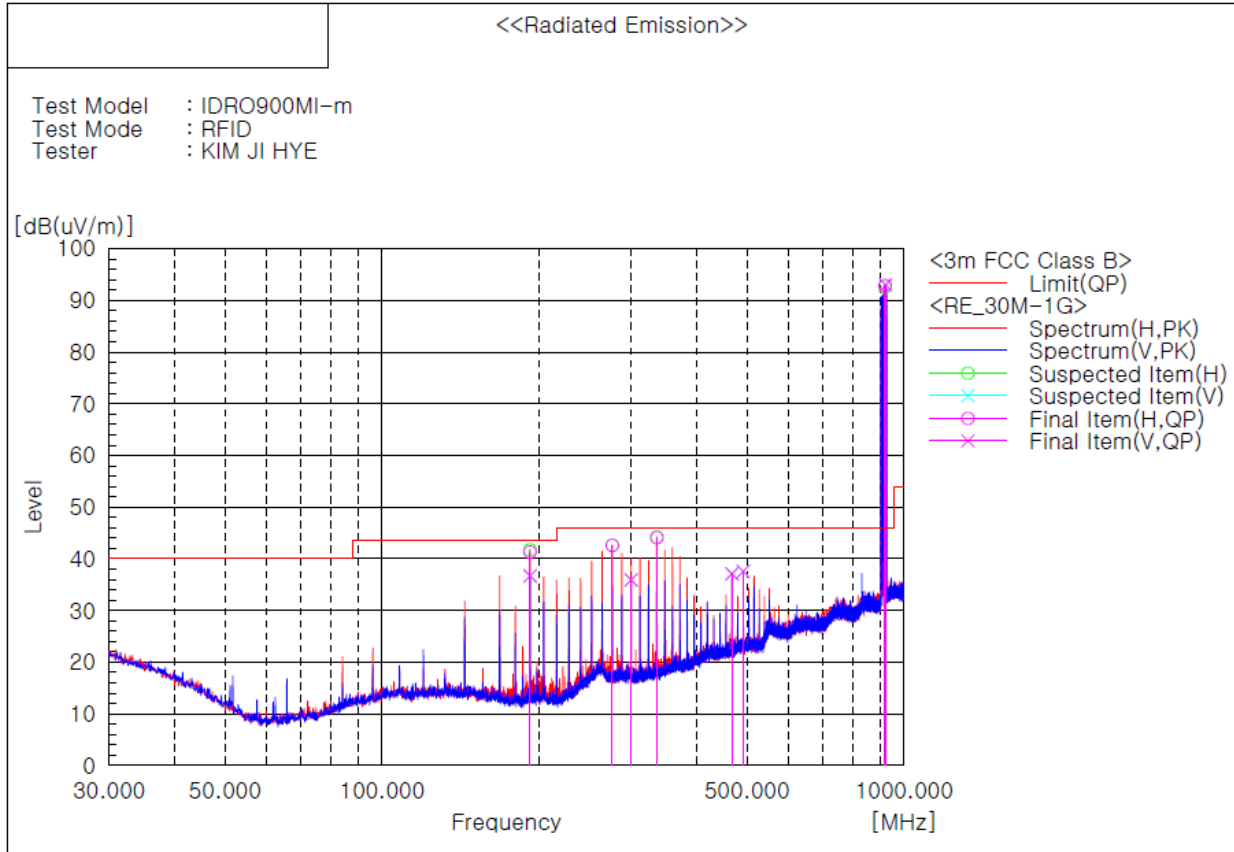
## 2) 30 MHz to 1 GHz

The requirements are:

☒ Complies

### Test Data

**Test mode : Antenna Type 3, Hopping mode(Worst Case)**



#### Final Result

| No. | Frequency [MHz] | (P) | Reading QP [dB(uV)] | c.f [dB(1/m)] | Result QP [dB(uV/m)] | Limit QP [dB(uV/m)] | Margin QP [dB] | Height [cm] | Angle [deg] |
|-----|-----------------|-----|---------------------|---------------|----------------------|---------------------|----------------|-------------|-------------|
| 1   | 192.233         | H   | 54.9                | -13.6         | 41.3                 | 43.5                | 2.2            | 101.0       | 149.0       |
| 2   | 192.233         | V   | 50.3                | -13.6         | 36.7                 | 43.5                | 6.8            | 101.0       | 58.0        |
| 3   | 276.259         | H   | 51.6                | -9.0          | 42.6                 | 46.0                | 3.4            | 101.0       | 212.0       |
| 4   | 300.388         | V   | 44.4                | -8.5          | 35.9                 | 46.0                | 10.1           | 191.0       | 338.0       |
| 5   | 336.399         | H   | 51.6                | -7.5          | 44.1                 | 46.0                | 1.9            | 101.0       | 348.0       |
| 6   | 468.440         | V   | 40.1                | -3.0          | 37.1                 | 46.0                | 8.9            | 101.0       | 62.0        |
| 7   | 492.569         | V   | 39.6                | -2.0          | 37.6                 | 46.0                | 8.4            | 101.0       | 78.0        |
| 8   | 920.824         | H   | 85.8                | 7.1           | 92.9                 | 46.0                | -46.9          | 309.0       | 339.0       |
| 9   | 922.885         | V   | 85.8                | 7.2           | 93.0                 | 46.0                | -47.0          | 191.0       | 143.0       |

#### Remark :

1. The Unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in lie-down position(X axis) and the worst case was recorded.
2. Result = Reading + c.f(correction factor)
3. Correction factor = Antenna factor + Cable loss + 6 dB attenuator - Amp Gain
4. No.8 and No.9 are the carrier frequencies.

### 3) above 1 GHz

The requirements are:

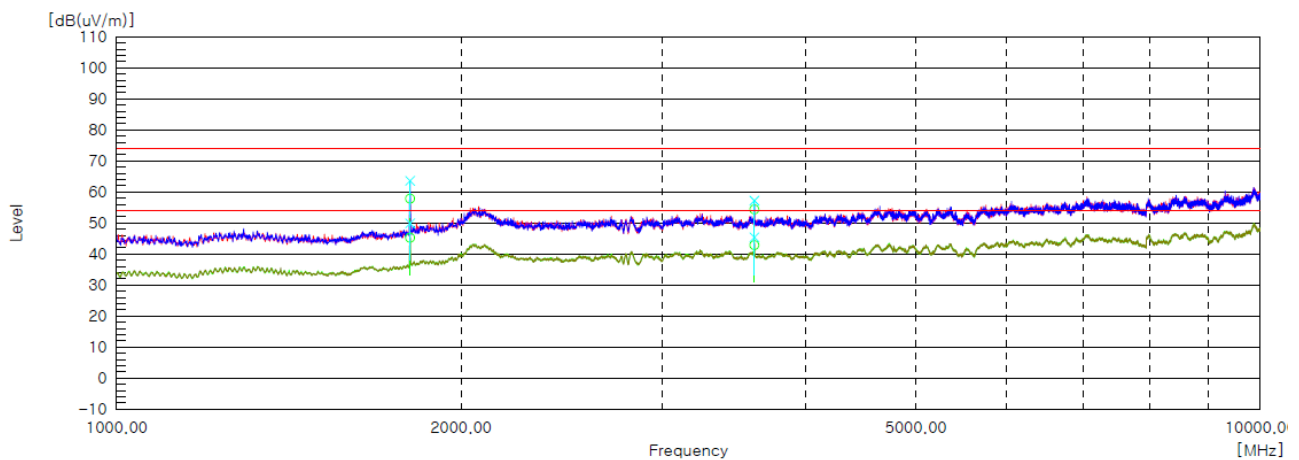
☒ Complies

#### Test Data

#### Test mode : Antenna Type 3, Lowest channel(902.75 MHz)

Model Name : IDRO900MI-m  
Manufacturer :  
Mode : RFID

Model Type :



| Frequency [MHz] | Ant. Pol. (V/H) | Reading [dBuV/m] | c.f [dB/m] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Remark  |
|-----------------|-----------------|------------------|------------|-----------------|----------------|-------------|---------|
| 1 805.500       | H               | 54.6             | 3.2        | <b>57.8</b>     | 74             | 16.2        | Peak    |
| 1 805.500       | H               | 42.0             | 3.2        | <b>45.2</b>     | 54             | 8.8         | Average |
| 1 805.500       | V               | 60.4             | 3.2        | <b>63.6</b>     | 74             | 10.4        | Peak    |
| 1 805.500       | V               | 46.7             | 3.2        | <b>49.9</b>     | 54             | 4.1         | Average |
| 3 611.125       | H               | 44.7             | 9.7        | <b>54.4</b>     | 74             | 19.6        | Peak    |
| 3 611.125       | H               | 33.2             | 9.7        | <b>42.9</b>     | 54             | 11.1        | Average |
| 3 611.125       | V               | 47.5             | 9.7        | <b>57.2</b>     | 74             | 16.8        | Peak    |
| 3 611.125       | V               | 35.7             | 9.7        | <b>45.4</b>     | 54             | 8.6         | Average |

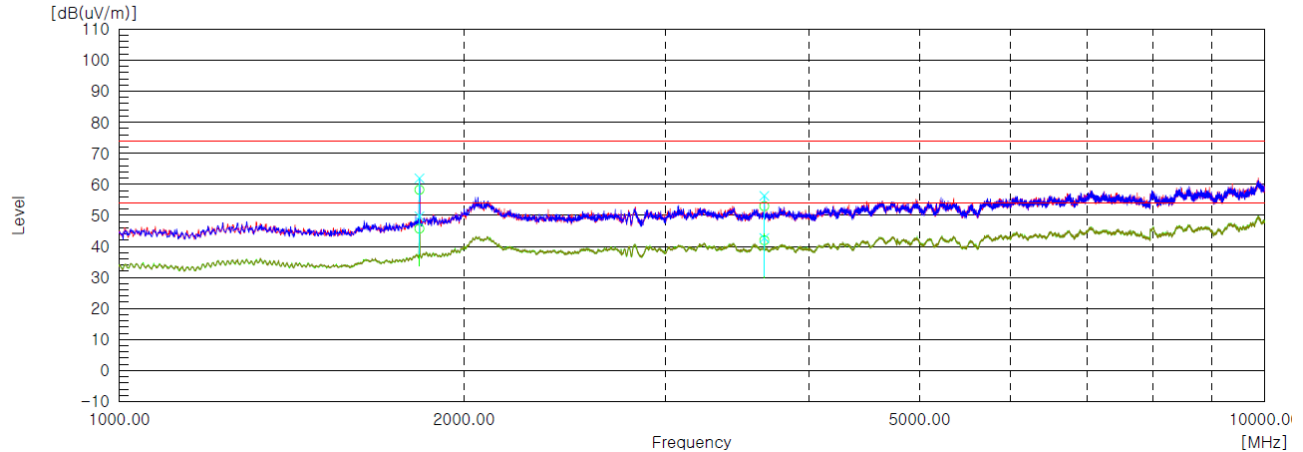
#### Remarks

1. The Unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in lie-down position(X axis) and the worst case was recorded.
2. Result = Reading + c.f(correction factor)
3. Correction factor = Antenna factor + Cable loss - Amp Gain

**Test mode : Antenna Type 3, Middle frequency(914.75 MHz)**

Model Name : IDRO900MI-m  
Manufacturer :  
Mode : RFID

Model Type :



| Frequency [MHz] | Ant. Pol. (V/H) | Reading [dBuV/m] | c.f [dB/m] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Remark  |
|-----------------|-----------------|------------------|------------|-----------------|----------------|-------------|---------|
| 1 829.125       | H               | 54.4             | 3.8        | <b>58.2</b>     | 74             | 15.8        | Peak    |
| 1 829.125       | H               | 41.9             | 3.8        | <b>45.7</b>     | 54             | 8.3         | Average |
| 1 829.125       | V               | 58.1             | 3.8        | <b>61.9</b>     | 74             | 12.1        | Peak    |
| 1 829.125       | V               | 45.9             | 3.8        | <b>49.7</b>     | 54             | 4.3         | Average |
| 3 659.500       | H               | 43.3             | 9.7        | <b>53.0</b>     | 74             | 21.0        | Peak    |
| 3 659.500       | H               | 32.3             | 9.7        | <b>42.0</b>     | 54             | 12.0        | Average |
| 3 659.500       | V               | 46.6             | 9.7        | <b>56.3</b>     | 74             | 17.7        | Peak    |
| 3 659.500       | V               | 33.0             | 9.7        | <b>42.7</b>     | 54             | 11.3        | Average |

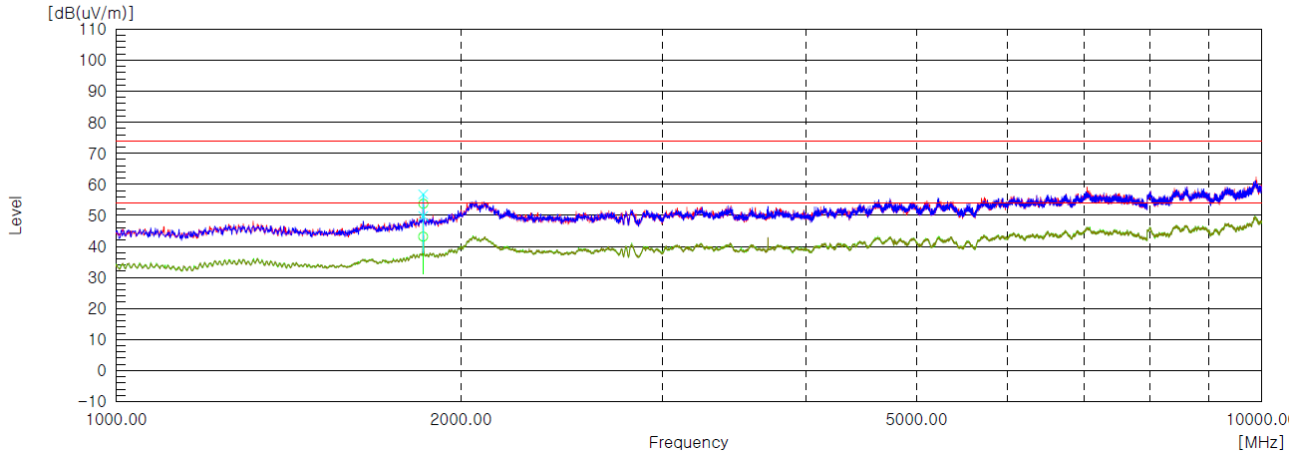
**Remarks**

1. The Unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in lie-down position(X axis) and the worst case was recorded.
2. Result = Reading + c.f(correction factor)
3. Correction factor = Antenna factor + Cable loss - Amp Gain

### Test mode : Antenna Type 3, Highest frequency(927.25 MHz)

Model Name : IDRO900MI-m  
Manufacturer :  
Mode : RFID\_F3

Model Type :



| Frequency [MHz] | Ant. Pol. (V/H) | Reading [dBuV/m] | c.f [dB/m] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Remark  |
|-----------------|-----------------|------------------|------------|-----------------|----------------|-------------|---------|
| 1 855.000       | H               | 49.5             | 4.2        | <b>53.7</b>     | 74             | 20.3        | Peak    |
| 1 853.875       | H               | 38.9             | 4.2        | <b>43.1</b>     | 54             | 10.9        | Average |
| 1 853.875       | V               | 52.6             | 4.2        | <b>56.8</b>     | 74             | 17.2        | Peak    |
| 1 853.875       | V               | 45.6             | 4.2        | <b>49.8</b>     | 54             | 4.2         | Average |

#### Remarks

1. The Unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down position(X,Y axis). The worst emission was found in lie-down position(X axis) and the worst case was recorded.
2. Result = Reading + c.f(correction factor)
3. Correction factor = Antenna factor + Cable loss - Amp Gain

## APPENDIX A – Test Equipment Used For Tests

|    | Name of Equipment             | Manufacturer                 | Model No.                   | Serial No.    | Date of Calibration | Due Date   |
|----|-------------------------------|------------------------------|-----------------------------|---------------|---------------------|------------|
| 1  | Dual-Tracking DC Power Supply | Topward Electric Instruments | 6303D                       | 711196        | 2021-01-14          | 2022-01-14 |
| 2  | Signal Generator              | Rohde & Schwarz              | SMB100A                     | 175528        | 2021-04-12          | 2022-04-12 |
| 3  | EMI Test Receiver             | Rohde & Schwarz              | ESCI7                       | 100814        | 2019-10-22          | 2020-10-22 |
| 4  | Bilog Antenna                 | Schaffner                    | CBL6111C                    | 2551          | 2021-03-22          | 2023-03-22 |
| 5  | Active Loop Antenna           | SCHWARZBECK                  | FMZB 1513                   | 1513-126      | 2020-05-20          | 2022-05-20 |
| 6  | 6dB Attenuator                | R&S                          | DNF                         | 272.4110.50-2 | 2020-10-23          | 2021-10-23 |
| 7  | 6dB Attenuator                | BIRD                         | 5W 6dB                      | 1744          | 2020-12-16          | 2021-12-16 |
| 8  | AMPLIFIER                     | SONOMA                       | 310                         | 291721        | 2021-01-22          | 2022-01-22 |
| 9  | EMI Test Receiver             | Rohde & Schwarz              | ESU40                       | 100336        | 2021-01-12          | 2022-01-12 |
| 10 | Preamplifier                  | Agilent                      | 8449B                       | 3008A02011    | 2020-11-30          | 2021-11-30 |
| 11 | Double Ridged Guide Antenna   | ETS-Lindgren                 | 3117                        | 00154525      | 2020-10-14          | 2021-10-14 |
| 12 | Band Reject Filter            | Wainwright Instruments GmbH  | WRCG902/930-894/938-50/12SS | SN1           | 2021-03-30          | 2022-03-30 |

| No. | Name of Equipment | Manufacturer | Model No.      | Serial No.           | Check Date |
|-----|-------------------|--------------|----------------|----------------------|------------|
| 1   | Cable             | CANARE       | 3m loop        | N/A                  | 2021-04-21 |
| 2   | Cable             | HUBER+SUHNER | SUCOFLEX 104   | MY27558/4            | 2021-04-21 |
| 3   | Cable             | CANARE       | 10m 1G below-1 | N/A                  | 2021-04-21 |
| 4   | Cable             | CANARE       | 10m 1G below-2 | N/A                  | 2021-04-21 |
| 5   | Cable             | HUBER+SUHNER | SUCOFLEX 106   | N/A<br>(above 1 GHz) | 2020-10-15 |
| 6   | Cable             | HUBER+SUHNER | SUCOFLEX 102   | MY2374/2             | 2020-10-23 |
| 7   | Cable             | HUBER+SUHNER | SUCOFLEX 102   | MY4728/2             | 2020-10-23 |