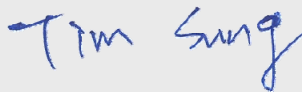


Test Report No:  
2470408R-RFUSV17S-A

## RF EXPOSURE EVALUATION DECLARATION

|                                 |                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| Product Name                    | Wireless AP/bridge/client                                                                     |
| Brand Name                      | MOXA                                                                                          |
| Model No.                       | AWK-3262A-US / AWK-3262A-UN / AWK-3262A-US-T /<br>AWK-3262A-UN-T                              |
| FCC ID                          | SLE-AWK3262A                                                                                  |
| Applicant's Name / Address      | Moxa Inc.<br>No. 1111, Heping Rd., Bade Dist., Taoyuan City 334004,<br>Taiwan                 |
| Manufacturer's Name             | Moxa Inc.                                                                                     |
| Test Method Requested, Standard | FCC CFR Title 47 Part 2.1091 Radiofrequency radiation<br>exposure evaluation: mobile devices. |
| Verdict Summary                 | IN COMPLIANCE                                                                                 |
| Documented By Genie Chang       |           |
| Tested by Steven Tsai           |            |
| Approved by Tim Sung            |           |
| Date of Receipt                 | 2024/07/11                                                                                    |
| Date of Issue                   | 2024/09/24                                                                                    |
| Report Version                  | V1.0                                                                                          |

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## Competences and Guarantees

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DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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## General Conditions

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1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

| Version | Description             | Issued Date |
|---------|-------------------------|-------------|
| V1.0    | Initial issue of report | 2024/09/24  |

## 1. General Information

### 1.1. EUT Description

|              |                                                               |
|--------------|---------------------------------------------------------------|
| Product Name | Wireless AP/bridge/client                                     |
| Brand Name   | MOXA                                                          |
| Model No.    | AWK-3262A-US / AWK-3262A-UN / AWK-3262A-US-T / AWK-3262A-UN-T |

Note: For more detailed information please refer to report No.: 2470408R-RFUSV01S-A, 2470408R-RFUSV03S-A and 2470408R-RFUSV19S-A.

### 1.2. Testing Location Information

|        |                                                       |
|--------|-------------------------------------------------------|
| USA    | FCC Designation Number: TW0033                        |
| Canada | CAB Identifier Number: TW3023 / Company Number: 26930 |

|                  |                         |
|------------------|-------------------------|
| Site Description | Accredited by TAF       |
|                  | Accredited Number: 3023 |

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| Test Laboratory    | DEKRA Testing and Certification Co., Ltd.                                    |
|                    | Linkou Laboratory                                                            |
| Address            | No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C. |
| Performed Location | No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C.    |
| Phone Number       | +886-3-275-7255                                                              |
| Fax Number         | +886-3-327-8031                                                              |

## 2. RF Exposure Evaluation

### 2.1. Test Limit

(A) Test Limit for Occupational / Controlled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|------------------------------------------|------------------------------------------------------------------|
| 0.3-3.0               | 614                               | 1.63                              | *(100)                                   | <6                                                               |
| 3.0-30                | 1842/f                            | 4.89/f                            | *(900/f <sup>2</sup> )                   | <6                                                               |
| 30-300                | 61.4                              | 0.163                             | 1.0                                      | <6                                                               |
| 300-1500              | -                                 | -                                 | f/300                                    | <6                                                               |
| 1500-100,000          | -                                 | -                                 | 5                                        | <6                                                               |

(B) Test Limit for General Population / Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|------------------------------------------|------------------------------------------------------------------|
| 0.3-1.34              | 614                               | 1.63                              | *(100)                                   | <30                                                              |
| 1.34-30               | 824/f                             | 2.19/f                            | *(180/f <sup>2</sup> )                   | <30                                                              |
| 30-300                | 27.5                              | 0.073                             | 0.2                                      | <30                                                              |
| 300-1500              | -                                 | -                                 | f/1500                                   | <30                                                              |
| 1500-100,000          | -                                 | -                                 | 1.0                                      | <30                                                              |

Note: f = frequency in MHz; \*Plane-wave equivalent power density

Power Density (S) is calculated by the following formula:

$$S = (P \cdot G) / 4\pi R^2$$

where:

S = power density (in appropriate units, e.g. mW/ cm<sup>2</sup>)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

$\pi$  = 3.1416

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

## 2.2. Test Result of RF Exposure Evaluation

### Antenna Type: Panel

| Band                 | Conducted Output Power (dBm) | Antenna Gain (dBi) | E.I.R.P (dBm) | E.I.R.P (mW) | Power Density at R = 20 cm (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|----------------------|------------------------------|--------------------|---------------|--------------|--------------------------------------------------|-----------------------------|
| 2.4 GHz WLAN         | 23.48                        | 12.34              | 35.820        | 3819.443     | 0.760                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 1  | 18.86                        | 16.38              | 35.240        | 3341.950     | 0.665                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 2A | 13.52                        | 16.38              | 29.900        | 977.237      | 0.194                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 2C | 12.88                        | 16.94              | 29.820        | 959.401      | 0.191                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 3  | 19.04                        | 16.94              | 35.980        | 3962.780     | 0.788                                            | 1.000                       |

### Antenna Type: Panel

#### Beamforming mode

| Band                 | Conducted Output Power (dBm) | Directional gain (dBi) | E.I.R.P (dBm) | E.I.R.P (mW) | Power Density at R = 20 cm (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|----------------------|------------------------------|------------------------|---------------|--------------|--------------------------------------------------|-----------------------------|
| 2.4 GHz WLAN         | 20.47                        | 15.35                  | 35.820        | 3819.443     | 0.760                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 1  | 15.85                        | 19.39                  | 35.240        | 3341.950     | 0.665                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 2A | 10.51                        | 19.39                  | 29.900        | 977.237      | 0.194                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 2C | 9.87                         | 19.95                  | 29.820        | 959.401      | 0.191                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 3  | 16.03                        | 19.95                  | 35.980        | 3962.780     | 0.788                                            | 1.000                       |

Note: The conducted output power is refer to report No.: 2470408R-RFUSV01S-A and 2470408R-RFUSV03S-A from the DEKRA.

**Antenna Type: Dipole**

| Band                 | Conducted Output Power (dBm) | Antenna Gain (dBi) | E.I.R.P (dBm) | E.I.R.P (mW) | Power Density at R = 20 cm (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|----------------------|------------------------------|--------------------|---------------|--------------|--------------------------------------------------|-----------------------------|
| 2.4 GHz WLAN         | 27.69                        | 7.40               | 35.090        | 3228.494     | 0.642                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 1  | 26.69                        | 8.61               | 35.300        | 3388.442     | 0.674                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 2A | 21.53                        | 8.15               | 29.680        | 928.966      | 0.185                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 2C | 21.06                        | 8.87               | 29.930        | 984.011      | 0.196                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 3  | 26.44                        | 8.57               | 35.010        | 3169.567     | 0.631                                            | 1.000                       |

**Antenna Type: Dipole****Beamforming mode**

| Band                 | Conducted Output Power (dBm) | Directional gain (dBi) | E.I.R.P (dBm) | E.I.R.P (mW) | Power Density at R = 20 cm (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|----------------------|------------------------------|------------------------|---------------|--------------|--------------------------------------------------|-----------------------------|
| 2.4 GHz WLAN         | 24.13                        | 10.41                  | 34.540        | 2844.461     | 0.566                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 1  | 23.68                        | 11.62                  | 35.300        | 3388.442     | 0.674                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 2A | 18.52                        | 11.16                  | 29.680        | 928.966      | 0.185                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 2C | 18.05                        | 11.88                  | 29.930        | 984.011      | 0.196                                            | 1.000                       |
| Wi-Fi 5 GHz U-NII 3  | 22.96                        | 11.58                  | 34.540        | 2844.461     | 0.566                                            | 1.000                       |

Note: The conducted output power is refer to report No.: 2470408R-RFUSV01S-A and 2470408R-RFUSV03S-A from the DEKRA.