



# Radio Frequency Exposure

|            |                                                                                 |
|------------|---------------------------------------------------------------------------------|
| Applicant  | : CHENG UEI PRECISION INDUSTRY CO., LTD.                                        |
| Address    | : No.18, Chung Shan Road, Tu Cheng District, New Taipei City,<br>Taiwan, R.O.C. |
| Equipment  | : Access Reader                                                                 |
| Model No.  | : CRD1-PN, RD1PN                                                                |
| Trade Name | : N/A                                                                           |
| FCC ID     | : M6E-CRD1PN                                                                    |

## I HEREBY CERTIFY THAT:

The sample was received on May 12, 2026 and the testing was completed on May 19, 2026 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor



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## 1. Test Configuration of Equipment under Test

### 1.1 Feature of Equipment

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Equipment             | Access Reader                                                 |
| Model No.             | CRD1-PN, RD1PN                                                |
| Model Discrepancy     | The models are identical to each other except for model name. |
| Frequency Range       | 13.56MHz                                                      |
| Modulation Type       | ASK                                                           |
| Antenna Type          | Coil Antenna                                                  |
| Operating Temperature | -30℃~+70℃                                                     |
| Operating voltage     | DC 12V                                                        |

Note: For more details, please refer to the User's manual of the EUT.



## 2. Summary of Test Procedure and Test Results

### 2.1 Applicable Standards

#### LIMIT

According to §15.247(i), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See § 1.1307(b)(1) of this chapter.

#### SAR EXCLUSION

Per FCC KDB 447498 D01v06 section 4.3:

- c) For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C):<sup>33</sup>
- 1) For *test separation distances*  $> 50$  mm and  $< 200$  mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by  $[1 + \log(100/f_{\text{(MHz)}})]$
  - 2) For *test separation distances*  $\leq 50$  mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by  $\frac{1}{2}$
  - 3) SAR measurement procedures are not established below 100 MHz.

#### 5mm Test Separation

| Channel Frequency (MHz) | Fundamental Emission (dBm) | Conducted Power (dBm) | Max. Tune up power (dBm) | Fundamental Emission (mW) | Limit (mW) |
|-------------------------|----------------------------|-----------------------|--------------------------|---------------------------|------------|
| 13.56                   | -44.62                     | -44.62                | -43.62                   | 0.00004                   | 474        |

power=Transmitter Spurious-95.2= 50.58 -95.2=-44.62dBm

#### Conclusion

The maximum results have not exceeded the limit, no SAR is required .

----- THE END OF REPORT-----