

# RF EXPOSURE REPORT

|           |                                                                                                              |
|-----------|--------------------------------------------------------------------------------------------------------------|
| Applicant | Grandex International Development Limited                                                                    |
| Address   | Unit 2401, 24/F, Million Fortune Industrial Centre, No.34-36 Chai Wan Kok Street, Tsuen Wan, N.T., Hong Kong |

|                                     |                                                                                                              |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Manufacturer or Supplier            | Grandex International Development Limited                                                                    |
| Address                             | Unit 2401, 24/F, Million Fortune Industrial Centre, No.34-36 Chai Wan Kok Street, Tsuen Wan, N.T., Hong Kong |
| Product:                            | R/C VEHICLE                                                                                                  |
| Brand Name:                         | N/A                                                                                                          |
| Model:                              | 96096                                                                                                        |
| Additional Model & Model Difference | N/A                                                                                                          |
| Date of tests                       | Jul. 20, 2026 ~ Jul. 30, 2026                                                                                |

☒ **FCC Part 2 (Section 2.1093)**

☒ **KDB 447498 D01 V06**

☒ **IEEE C95.1**

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Prepared by Loren Luo  
Project Engineer / EMC Department

Approved by Glyn He  
Assistant Manager / EMC Department

*Loren*

*Glyn He*

Date: Aug. 19, 2026

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Test Report No.: FM2606WDG0412

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## RELEASE CONTROL RECORD

| ISSUE NO.     | REASON FOR CHANGE | DATE ISSUED   |
|---------------|-------------------|---------------|
| FM2606WDG0412 | Original release  | Aug. 19, 2026 |

## 1. CERTIFICATION

|                        |                                           |
|------------------------|-------------------------------------------|
| <b>FCC ID:</b>         | VC996096240                               |
| <b>PRODUCT:</b>        | R/C VEHICLE                               |
| <b>BRAND NAME:</b>     | N/A                                       |
| <b>MODEL NO.:</b>      | 96096                                     |
| <b>ADDITIONAL NO.:</b> | N/A                                       |
| <b>APPLICANT:</b>      | Grandex International Development Limited |
| <b>STANDARDS:</b>      | FCC Part 2 (Section 2.1093)               |
|                        | KDB 447498 D01 V06                        |
|                        | IEEE C95.1                                |

## 2. RF EXPOSURE DEFINE

The corresponding SAR Exclusion Threshold condition, listed below:

- 1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

- 2) At 100 MHz to 6 GHz and for test separation distances  $> 50$  mm, the SAR test exclusion threshold is determined according to the following:
- a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) ·  $f(\text{MHz})/150$ ] mW, at 100 MHz to 1500 MHz
  - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at  $> 1500$  MHz and  $\leq 6$  GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.
- a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by  $[1 + \log(100/f(\text{MHz}))]$  for test separation distances  $> 50$  mm and  $< 200$  mm.
  - b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by  $\frac{1}{2}$  for test separation distances  $\leq 50$  mm.
  - c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

## 3. CLASSIFICATION

The antenna of this product, under normal use condition, is at less than 20cm away from the body of the user. So, this device is classified as **Portable Device**.

## 4. SAR TEST EXCLUSION THRESHOLDS

The tuned conducted Average Power (declared by client)

| Mode | Frequency (MHz) | Target Power (dBm) | Tolerance (dBm) | Lower Tolerance (dBm) | Upper Tolerance (dBm) |
|------|-----------------|--------------------|-----------------|-----------------------|-----------------------|
| TX   | 2407-2477       | -17                | +2              | -19                   | -15                   |

The measured conducted Average Power

| Mode | Frequency (MHz) | Averaged Power (dBuV/m) | Averaged Power (dBm) |
|------|-----------------|-------------------------|----------------------|
| TX   | 2447            | 77.77                   | -17.46               |

Note: dBm=dBuV/m - 95.23

### SAR Test Exclusion Thresholds

| Frequency (MHz) | Maximum source-based time averaged conducted output power (dBm) | Minimum separation distance (mm) | Result of Eq. 1 | Limit for 1-g SAR | Limit for 10-g extremity SAR | Verdict         |
|-----------------|-----------------------------------------------------------------|----------------------------------|-----------------|-------------------|------------------------------|-----------------|
| 2407-2477       | -15                                                             | 5                                | 0.009879        | 3.0               | 7.5                          | Exempt from SAR |

### Conclusion

Therefore this device complies with FCC's RF radiation exposure limits for general population without SAR evaluation.