

RF EXPOSURE REPORT

Applicant:	Heng Sheng Universal Trading Ltd.
Address:	Rm 6, 3/F Lladro centre, 72 hoiyuen road, Kwun tong, Hong kong

Manufacturer or Supplier	Heng Sheng Universal Trading Ltd.
Address	Rm 6, 3/F Lladro centre, 72 hoiyuen road, Kwun tong, Hong kong
Product:	Toy RC Speed Bumper Turbo Twinkle
Brand Name:	Sharper Image
Model:	1018812
Additional Model & Model Difference	10XXXXX (where XXXXX can be 00000-99999 which represent different customers); see items 1
Date of tests	Apr. 10, 2026 ~ Apr. 20, 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

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Date: Jun. 17, 2026

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Test Report No.: FM2605WDG0441-1

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BUREAU
VERITAS

Test Report No.: FM2605WDG0441-1

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2605WDG0441-1	Original release	Jun. 17, 2026

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1 CERTIFICATION

FCC ID:	U7U-1018812A01T
PRODUCT:	Toy RC Speed Bumper Turbo Twinkle
BRAND NAME:	Sharper Image
MODEL NO.:	1018812
ADDITIONAL NO.:	10XXXXXX (where XXXXX can be 00000-99999 which represent different customers)
APPLICANT:	Heng Sheng Universal Trading Ltd.
STANDARDS:	FCC Part 2 (Section 2.1093)
	KDB 447498 D01 V06
	IEEE C95.1

Note:

1. Additional models (see above table) are identified with test model 1018812 except for appearance and model number for trading purposes.

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 ≤ 50 mm are determined by:

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

- $f(\text{GHz})$ 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 ≤ 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(MHz)/150)] mW, at 100MHz to 1500 MHz
 - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at > 1500 MHz and ≤ 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 ≤ 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	2410-2470	-25	+2	-27	-23

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBuV/m)	Averaged Power (dBm)
TX	2470	70.17	-25.06

Note: dBm=dBuV-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
2410-2470	-23	5	0.001575	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.