		BUREAU VERITAS
	RF Exposure Report	
Report No.:	SA200619E02	
FCC ID:	JNZMR0087	
Test Model:	MR0087	
Received Date:	June 19, 2020	
Test Date:	July 09, 2020	
Issued Date:	July 22, 2020	
Applicant:	LOGITECH FAR EAST LTD.	
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Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Brand Hsin Chu Laboratory	ch
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Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan	
FCC Registration / Designation Number:	723255 / TW2022	
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## Table of Contents

Relea	ise Control Record	3
1	Certificate of Conformity	4
2	Evaluation Result	5
3	SAR Test Exclusion Thresholds	6
4	Conclusion	6



Release Control Record						
Issue No.	Description			Date Issued		
SA200619E02	Original release.			July 22, 2020		



# **Certificate of Conformity** 1 Product: Wireless Mouse Brand: Logitech Test Model: MR0087 Sample Status: ENGINEERING SAMPLE Applicant: LOGITECH FAR EAST LTD. Test Date: July 09, 2020 Standards: FCC Part 2 (Section 2.1093) IEEE C95.1-1992 References Test KDB 447498 D01 General RF Exposure Guidance v06 Guidance: The above equipment has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd.,

Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :

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, Date:

July 22, 2020

Approved by :

July 22, 2020 Date:

Clark Lin / Technical Manager



## 2 Evaluation Result

Following FCC KDB 447498 D01 "General SAR test exclusion guidance"

The corresponding SAR Exclusion Threshold condition, listed below:

 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:

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

- > f(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 50mm) · ( 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(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 ½ 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 SAR Test Exclusion Thresholds

Operation Mode	Evaluation Frequency (MHz)	Max Avg. Power (dBm)	Max Avg. Power (mW)	Min. test separation distance (mm)	SAR test exclusion calculation value (mW/mm)	10-g SAR test exclusion thresholds (mW/mm)	Result
GFSK	2405-2474	-0.78	0.8356	5	0.2629	7.5	Pass

Notes:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2. Calculate SAR test exclusion thresholds from condition 1) formulas.

#### 4 Conclusion

Since Source-base time average power is below SAR test exclusion power thresholds, the SAR evaluation is not required.

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