		B U R E A U VERITAS
	RF Exposure Report	
Report No.:	SA171110E06	
FCC ID:	JNZMR0071	
Test Model:	M-R0071	
Received Date:	Nov. 10, 2017	
Test Date:	Jan. 12, 2018	
Issued Date:	Jan. 17, 2018	
Applicant:	LOGITECH FAR EAST LTD.	
Address:	#2 Creation Rd. 4, Science-Based Ind. Park Hsinchu Taiwan, R.O.C.	
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Brar Hsin Chu Laboratory	nch
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FCC Registration / Designation Number:	723255 / TW2022	
Designation Hambon		
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	Release Control Record				
Issue No.	Description				Date Issued
SA171110E06	Original release.				Jan. 17, 2018



1 Certificate of Conformity

Product:	2.4GHz Cordless Mouse
Brand:	logitech G
Test Model:	M-R0071
Sample Status:	ENGINEERING SAMPLE
Applicant:	LOGITECH FAR EAST LTD.
Test Date:	Jan. 12, 2018
Standards:	FCC Part 2 (Section 2.1093)
	KDB 447498 D01 General RF Exposure Guidance v06
	IEEE C95.1-1992

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 :	Phone is Huang	, Date:	Jan. 17, 2018
	Phoenix Huang / Specialist		
Approved by :	May Chen / Manager	_,Date:_	Jan. 17, 2018



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 ≤ 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

	Channel	Frequency (MHz)	Peak Power		Avg. Power	
			(mW)	(dBm)	(mW)	(dBm)
ſ	1	2402	1.219	0.86	1.211	0.83
ſ	4	2442	2.911	4.64	2.891	4.61
	8	2481	2.917	4.65	2.897	4.62

Maximum measured transmitter power

For GFSK SAR Test Exclusion Thresholds

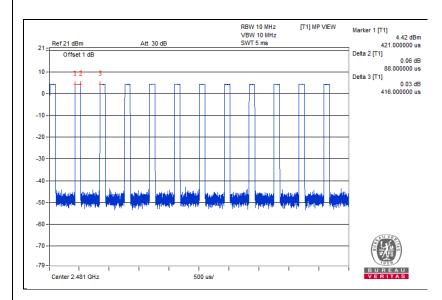
Frequency (GHz)	Max Avg. Power (dBm)	*Max Time Avg. Power (dBm)		Min. test separation distance (mm)	SAR test exclusion calculation value ^(NOTE 1)	10-g SAR test exclusion thresholds	Result
2.402 ~ 2.481	4.62	-2.13	0.612	5	0.1928	7.5	Pass

NOTE: 1. Calculate SAR test exclusion thresholds from condition "1" formulas.

2. *Time Avg. Power= Avg. Power+Duty factor

GFSK Duty Cycle of Test Signal

Duty Cycle	Tx on (ms)	Tx total (ms)	Duty Factor (dB)			
,	0.088	0.416	-6.75			
Duty Factor =10 * log(Tx on / Tx total)						





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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