	B U REAL VERITA
	RF Exposure Report
Report No.:	MFBEMX-WTW-P22020100
FCC ID:	C3K2030
Test Model:	2030
Received Date:	2022/2/9
Test Date:	2022/4/1 ~ 2022/5/12
Issued Date:	2022/6/14
Applicant:	MICROSOFT CORPORATION
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Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
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FCC Registration / Designation Number:	198487 / TW2021
	TAF Testing Laboratory 2021
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Release Control Record

Issue No.	Description	Date Issued
MFBEMX-WTW-P22020100	Original release.	2022/6/14



1 Certificate of Conformity

Product:Adaptive MouseBrand:MicrosoftTest Model:2030Sample Status:Engineering sampleApplicant:MICROSOFT CORPORATIONTest Date:2022/4/1 ~ 2022/5/12Standards:FCC Part 2 (Section 2.1093)

References Test Guidance: KDB 447498 D01 General RF Exposure Guidance v06

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 RF characteristics under the conditions specified in this report.

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2022/6/14

2022/6/14

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2 Evaluation Result

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

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:

[(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) \cdot 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(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

Maximum measured transmitter power:

Function	Frequency (GHz)	AV Max. Power (mW)	Min. test separation distance (mm)	SAR test exclusion calculation value ^(NOTE 3)	10-g extremity SAR test exclusion thresholds	Result
BT LE	2.402-2.480	0.7211	5	0.223	7.5	Pass

Note:

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

- 2. The antenna type is Chip antenna with 2.04dBi gain.
- 3. 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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