RF Exposure Report

Report No.: SA191008D01

FCC ID: PRDHS02

Test Model: HSA-A003H

Series Model: NHJ

Received Date: Oct. 8, 2019

Test Date: Oct. 31, 2019 to Feb. 3, 2020

Issued Date: Feb. 4, 2020

Applicant: Acrox Technologies Co., Ltd

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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

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Release Control Record

Issue No.	Description	Date Issued
SA191008D01	Original release.	Feb. 4, 2020

1   Certificate of Conformity

Product:	Wireless Headset
Brand:	hp
Test Model:	HSA-A003H
Series Model:	NHJ
Sample Status:	Engineering sample
Applicant:	Acrox Technologies Co., Ltd
Test Date:	Oct. 31, 2019 to Feb. 3, 2020
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 RF characteristics under the conditions specified in this report.

Prepared by : _____ , **Date:** _____ Feb. 4, 2020 _____
Annie Chang / Senior Specialist

Approved by : _____ , **Date:** _____ Feb. 4, 2020 _____
Rex Lai / Associate Technical Manager

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)] ·[√f(GHz)] ≤ 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

Maximum measured transmitter power:

Function	Frequency (GHz)	Max. Radiated Field Strength (dBuV/m)	Max. Radiated Power (mW)	Min. test separation distance (mm)	SAR test exclusion calculation value(NOTE 3)	1-g SAR test exclusion thresholds	Result
GFSK	2.406-2.478	87.95	0.187	5	0.058	3	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 PCB antenna with 1.74dBi & 3.48dBi 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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