RF Exposure Report

Report No.:	IC_RF_SL19061301-SFE-035_RF Exposure Rev_1.0
IC:	22010-ERA2
Test Model:	K400
Series Model:	N/A
Received Date:	06/15/2019
Test Date:	06/17/2019/-07/02/2019
Issued Date:	07/30/2019
Applicant:	PAX Labs, Inc.
Address:	660 Alabama St. Second Floor, San Francisco, CA 94110, U.S.A.
Issued By:	Bureau Veritas Consumer Products Services, Inc.
Lab Address:	775 Montague Expressway, Milpitas, CA 95035
Test Location (1):	775 Montague Expressway, Milpitas, CA 95035
ISED# / CAB identifier:	4842D

ACCREDITED
TESTING CERT # 2742-01

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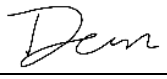
Release Control Record

Issue No.	Description	Date Issued
IC_RF_SL19061301-SFE-035_MPE	Orignal Release	07/12/2019
IC_RF_SL19061301-SFE-035_MPE Rev_1.0	Update Applicant Name	07/30/2019
IC_RF_SL19061301-SFE-035_RF Exposure Rev_1.0	Update Report No.	08/06/2019

1 Certificate of Conformity

Product:	Electronic Vapor Device and Oil Pod
Brand:	PAX
Test Model:	K400
Series Model:	N/A
Sample Status:	Engineering sample
Applicant:	PAX Labs, Inc.
Test Date:	06/17/2019-07/01/2019
Standards:	RSS-102 Issue 5 (2015-03) IEEE C95.3 -2002

The above equipment has been tested by **Bureau Veritas Consumer Products Services, Inc., Milpitas 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 :  , **Date:** 07/30/2019

Deon Dai / Test Engineer

Approved by :  , **Date:** 07/30/2019

Chen Ge / Engineer Reviewer

2 Limits For Maximum Permissible Exposure

Per RSS-102 issue 5, section 2.5.1 as reproduced below:

2.5.1 Exemption from Routine Evaluation Limits – SAR Evaluation

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in below table:

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of ≤ 5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm
≤300	71 mW	101 mW	132 mW	162 mW	193 mW
450	52 mW	70 mW	88 mW	106 mW	123 mW
835	17 mW	30 mW	42 mW	55 mW	67 mW
1900	7 mW	10 mW	18 mW	34 mW	60 mW
2450	4 mW	7 mW	15 mW	30 mW	52 mW
3500	2 mW	6 mW	16 mW	32 mW	55 mW
5800	1 mW	6 mW	15 mW	27 mW	41 mW

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of 30 mm	At separation distance of 35 mm	At separation distance of 40 mm	At separation distance of 45 mm	At separation distance of ≥ 50 mm
≤300	223 mW	254 mW	284 mW	315 mW	345 mW
450	141 mW	159 mW	177 mW	195 mW	213 mW
835	80 mW	92 mW	105 mW	117 mW	130 mW
1900	99 mW	153 mW	225 mW	316 mW	431 mW
2450	83 mW	123 mW	173 mW	235 mW	309 mW
3500	86 mW	124 mW	170 mW	225 mW	290 mW
5800	56 mW	71 mW	85 mW	97 mW	106 mW

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power. For controlled use devices where the 8 W/kg for 1 gram of tissue applies, the exemption limits for routine evaluation in Table 1 are multiplied by a factor of 5. For limb-worn devices where the 10 gram value applies, the exemption limits for routine evaluation in Table 1 are multiplied by a factor of 2.5. If the operating frequency of the device is between two frequencies located in Table 1, linear interpolation shall be applied for the applicable separation distance. For test separation distance less than 5 mm, the exemption limits for a separation distance of 5 mm can be applied to determine if a routine evaluation is required.

For medical implants devices, the exemption limit for routine evaluation is set at 1 mW. The output power of a medical implants device is defined as the higher of the conducted or e.i.r.p to determine whether the device is exempt from the SAR evaluation

3 SAR Test Exclusion Thresholds

Maximum measured transmitter power:

Mode	Frequency (MHz)	Max. Power (mW)	Tune-Up Tolerance	Radiated Power (e.i.r.p.) (mW)	Min. test separation distance (mm)	Limits of RF Exposure Evaluation (mW)	Result
BT_LE	2440	1.77	±1dB	1.51	5	3.94	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 -1.7dBi gain.
3. The limits for routine evaluation in Table 1 are caculate by linearly change of two adjacent frequency.

4 Conclusion

Since radiated power (e.i.r.p) is below SAR test exclusion power thresholds, the SAR evaluation is not required.

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