

Report No.: SA171229E05

FCC ID: ACJ96NKX-HNC700

Test Model: KX-HNC700

Received Date: Dec. 29, 2017

Test Date: Jan. 08, 2018

Issued Date: Jan. 25, 2018

Applicant: Panasonic Corporation of North America

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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Release Control Record

Issue No.	Description	Date Issued
SA171229E05	Original release.	Jan. 25, 2018

1 Certificate of Conformity

Product: HomeHawk Front Door

Brand: Panasonic

Test Model: KX-HNC700

Sample Status: ENGINEERING SAMPLE

Applicant: Panasonic Corporation of North America

Test Date: Jan. 08 to 17, 2018

Standards: FCC Part 2 (Section 2.1091)

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 : Wendy Wu , **Date:** Jan. 25, 2018
Wendy Wu / Specialist

Approved by : May Chen , **Date:** Jan. 25, 2018
May Chen / Manager

2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	f/1500	30
1500-100,000	1.0	30

f = Frequency in MHz ; *Plane-wave equivalent power density

2.2 MPE Calculation Formula

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.

So, this device is classified as **Mobile Device**.

2.4 Antenna Gain

Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range(GHz)	Antenna Type	Connector Type	Cable Length(cm)	Cable Loss(dB)
Chain 0	Walsin	ASC_RFFPA211218 NNAB901_V0	3.91	2.4~2.4835	FPC	soldering	18.8	0.42
Chain 1		ASC_RFFPA211206 NNAB901_V02	2.81	2.4~2.4835	FPC	soldering	6.8	0.28

2.5 Calculation Result of Maximum Conducted Power

Frequency Band (MHz)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2412-2462	330.37	3.91	20	0.16171	1

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