RF Exposure Report

Report No.:	MFBHCP-WTW-P22040326-1
FCC ID:	ACJ932AT2202
Test Model:	AT2202
Received Date:	2022/4/13
Date of Evaluation:	2022/8/8
Issued Date:	2022/11/9
Applicant:	Panasonic Corporation of North America
Address:	Two Riverfront Plaza, 9th Floor, Newark New Jersey, United States, 07102-5490
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN
FCC Registration / Designation Number:	788550 / TW0003

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Release Control Record

Issue No.	Description	Date Issued
MFBHCP-WTW-P22040326-1	Original Release	2022/11/9

1 Certificate of Conformity

Product:	Display Audio
Brand:	Panasonic or Panasonic Automotive Systems Asia Pacific.,Ltd.
Test Model:	AT2202
Sample Status:	Engineering Sample
Applicant:	Panasonic Corporation of North America
Date of Evaluation:	2022/8/8
FCC Rule Part:	FCC Part 2 (Section 2.1091)
Standards:	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.

Prepared by : Lena Wang , **Date:** 2022/11/9

Lena Wang / Specialist

Approved by : Jeremy Lin , **Date:** 2022/11/9

Jeremy Lin / Project Engineer

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/cm^2

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 Calculation Result of Maximum Conducted Power

Band	Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
WLAN	2412-2462	19.28	0.7	20	0.020	1.00
	5745-5825	17.13	3.4	20	0.022	1.00
BT	2402-2480	-3.41	0.7	20	0.0001	1.00

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The above Antenna information refers to the manufacturer's antenna specifications, the laboratory shall not be held responsible.

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