

RF Exposure Report

Report No.: SARFBHCP-WTW-P21030276

FCC ID: ACJ932AZ1801

Test Model: AZ1801

Series Model: CQ-RZ38A0AN, CQ-RZ38A1AN, CQ-RZ38A2AN, CQ-RZ19A0AN, CQ-RZ19A1AN, CQ-RZ39A0AN, CQ-RZ39A1AN, CQ-RZ39A2AN, CQ-RZ1AA0AN, CQ-RZ1AA1AN, CQ-RZ1AA2AN, CQ-RZ19A2AN, CQ-RZ38A0NT, CQ-RZ38A2NT, CQ-RZ19A0NT, CQ-RZ19A1NT, CQ-RZ19A2NT, CQ-RZ39A0NT, CQ-RZ39A1NT, CQ-RZ39A2NT, CQ-RZ1AA0NT, CQ-RZ1AA1NT, CQ-RZ1AA2NT, CQ-RZNB0NT
(Refer to item 2.1 for more detail)

Received Date: Dec. 27, 2018

Date of Evaluation: Jan. 09 ~ Jan. 15, 2019

Issued Date: Apr. 20, 2021

Applicant: Panasonic Automotive Systems Asia Pacific Co., Ltd

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Manufacture: Panasonic Automotive Systems Asia Pacific Co., Ltd.

Manufacture's address: 101 Moo 2 Teparak Rd., T. Bangsaothong, A. Bangsaothong, Samutprakarn 10570 Thailand

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**FCC Registration /
Designation Number:** 788550 / TW0003



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Release Control Record

Issue No.	Description	Date Issued
SARFBHCP-WTW-P21030276	Original Release	Apr. 20, 2021

1 Certificate of Conformity

Product: Car Audio

Brand: Panasonic

Test Model: AZ1801

Series Model: CQ-RZ38A0AN, CQ-RZ38A1AN, CQ-RZ38A2AN, CQ-RZ19A0AN, CQ-RZ19A1AN, CQ-RZ39A0AN, CQ-RZ39A1AN, CQ-RZ39A2AN, CQ-RZ1AA0AN, CQ-RZ1AA1AN, CQ-RZ1AA2AN, CQ-RZ19A2AN, CQ-RZ38A0NT, CQ-RZ38A2NT, CQ-RZ19A0NT, CQ-RZ19A1NT, CQ-RZ19A2NT, CQ-RZ39A0NT, CQ-RZ39A1NT, CQ-RZ39A2NT, CQ-RZ1AA0NT, CQ-RZ1AA1NT, CQ-RZ1AA2NT, CQ-RZNBA0NT
(Refer to item 2.1 for more detail)

Sample Status: Engineering sample

Applicant: Panasonic Automotive Systems Asia Pacific Co., Ltd

Date of Evaluation: Jan. 09 ~ Jan. 15, 2019

Standards: FCC Part 2 (Section 2.1091)

References Test Guidance : KDB 447498 D01 General RF Exposure Guidance v06
IEEE C95.3 -2002

This report is issued as a supplementary report to BV CPS report no.: SA181227C16A. This report shall be used by combining with its original report.

Prepared by : _____



Date: _____

Apr. 20, 2021

Gina Liu / Specialist

Approved by : _____



Date: _____

Apr. 20, 2021

Dylan Chiou / Senior Project Engineer

2 General Information

This report is issued as a supplementary report to BV CPS report no. SA181227C16A. The differences compared with the original report are LCD part & main PCB reduce size change and adding new model (CQ-RZNBA0NT). Due to the same conducted power of EUT and we didn't re-calculated MPE value.

3 RF Exposure

3.1 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

3.2 MPE Calculation Formula

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

3.3 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**.

3.4 Calculation Result of Maximum Conducted Power

Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
-0.64	-1.80	20	0.00011	1

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

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