RF EXPOSURE REPORT

Applicant	Faurecia Clarion Electronics (Xiamen) Co., Ltd.
Address	6F, No.40, Guanri Road, Software Park Stage II, Xiamen, China

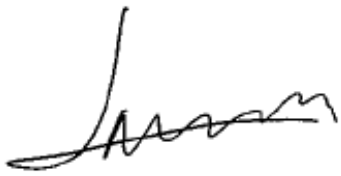
Manufacturer or Supplier	Clarion Co., Ltd.
Address	7-2 SHINTOSHIN, CHUO-KU, SAITAMA-SHI, SAITAMA, JAPAN
Product	CAR AUDIO
Brand Name	CLARION
Model	PJ-4605
Additional Model & Model Difference	RJ-9769, see items 1
Date of tests	May 25, 2020 ~ Jul. 19, 2020

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Madison Luo Assistant Manager / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Aug. 05, 2021

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2105WDG0312	Original release	Aug. 05, 2021

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1. CERTIFICATION

FCC ID:	WY2PJ4605F
PRODUCT:	CAR AUDIO
BRAND NAME:	CLARION
MODEL NO.:	PJ-4605
ADDITIONAL NO.:	RJ-9769
APPLICANT:	Faurecia Clarion Electronics (Xiamen) Co., Ltd.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

2. RF EXPOSURE LIMIT

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				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. 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

4. 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**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	-2.5	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	6	+-2	4	8
8DPSK	2402-2480	6	+-2	4	8

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	6.99
8DPSK	2441	6.70

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	8	-2.5	20	0.000706	1.0

--- END ---