



MAXIMUM PERMISSIBLE EXPOSURE EVALUATION REPORT

Applicant: Shenzhen Juxingcheng Technology Co., Ltd.

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Product Name: Car Stereo

FCC ID: 2BOYC-A2882

Standard(s): 47 CFR §1.1310, 47 CFR §2.1091,
47 CFR §15.247(i), 47 CFR §15.407(f)

Report Number: 2402A112883E-RF-00D

Report Date: 2025/5/24

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2402A112883E-RF-00D	Original Report	2025/5/24

1. GENERAL INFORMATION

1.1 General Description of Equipment under Test

EUT Name:	Car Stereo
EUT Model:	A2882
Multiple Models:	A3506, A3082, A3398, A3397, A3491, A3044, A2762, A3205, A3206, A3207, A3009, A3047, A3048, A3149, A3150, A3111, A3204, A3652
Rated Input Voltage:	DC 11-16V; Typical Voltage: DC 12V
Serial Number:	2WPT-2
EUT Received Date:	2024/12/27
EUT Received Status:	Good

Note: The multiple models are electrically identical with the test model expect the model name. Please refer to the declaration letter for more detail, which was provided by manufacturer.

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
Backup Camera RCA CAM-N Connector (with WIFI/BT Antenna)	Unknown	Unknown	Unshielded without Ferrite Core, 0.15m in length
GPS Antenna	Unknown	Unknown	Unshielded without Ferrite Core, 1.7m in length
4 PIN USB External Extension Cable	Unknown	Unknown	Unshielded without Ferrite Core, 0.7m in length
Power Cable	Unknown	Unknown	Unshielded without Ferrite Core, 0.15m in length
RCA Cable	Unknown	Unknown	Unshielded without Ferrite Core, 0.15m in length

2. RF EXPOSURE EVALUATION (MPE)

2.1 RF Exposure Evaluation

2.1.1 Applicable Standard

According to subpart 15.247(i), 15.407(f) and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
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;

According to §1.1310 and §2.1091 RF exposure is calculated.

2.1.2 Calculated Data

Mode	Frequency Range (MHz)	Antenna Gain		Conducted output power including Tune-up Tolerance		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
Bluetooth	2402-2480	2.06	1.607	8.0	6.31	20	0.00202	1.00
5.2GHz WIFI	5180-5240	1.81	1.517	12	15.85	20	0.00479	1.00

Note:

1. The Conducted output power including Tune-up Tolerance provided by manufacturer.
2. The Bluetooth and 5.2GHz WIFI cannot be transmitted simultaneously.

Result: Compliant. The device compliant Simultaneous transmission at 20cm distances.

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402A112883E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402A112883E-RF-INP EUT INTERNAL PHOTOGRAPHS.

******* END OF REPORT *******