



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260700311404

Page: 1 of 10

RF EXPOSURE EVALUATION REPORT

Application No.: SZCR2607003114AT
Applicant: JEM ACCESSORIES INC.
Address of Applicant: 32 Brunswick Avenue Edison New Jersey 08817 United States
Manufacturer: PHNOM PENH DONSEN TECHNOLOGY CO., LTD.
Address of Manufacturer: House/Building No. Plot No.1600, Street/Road No. No,Prey Khla, Preah Nipean, Kong Pisei, Kampong Spueu (Kampong Speu), Cambodia
Factory: PHNOM PENH DONSEN TECHNOLOGY CO., LTD.
Address of Factory: House/Building No. Plot No.1600, Street/Road No. No,Prey Khla, Preah Nipean, Kong Pisei, Kampong Spueu (Kampong Speu), Cambodia
Equipment Under Test (EUT):
EUT Name: Wireless FM Transmitter and Car Charger
Model No.: PFM3-1003-BLK
FCC ID: 2AHAS-PFM31003D
Standard(s) : FCC Rules 47 CFR §2.1091
KDB 447498 D04 interim General RF Exposure Guidance v01
Date of Receipt: 2026-07-09
Date of Evaluation: 2026-07-17 to 2026-07-23
Date of Issue: 2026-07-28

Evaluation Result:	Pass*
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* In the configuration evaluated, the EUT complied with the standards specified above.



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Shenzhen Branch Laboratory

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-07-28		Original

Authorized for issue by:				
		Gavin Guo		
		Gavin Guo/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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3 General Information

3.1 General Description of E.U.T.

Product Type:	☐ Portable device
	☒ Mobile device
	☐ Fixed device

3.2 Details of E.U.T.

Power supply:	DC12V-24V
For BT:	
Operation Frequency:	2402MHz to 2480MHz
Modulation Type:	GFSK, pi/4DQPSK, 8DPSK
Number of Channels:	79
Channel Spacing:	1MHz
Spectrum Spread Technology:	Frequency Hopping Spread Spectrum(FHSS)
Antenna Type:	PCB Antenna
Antenna Gain:	-0.58dBi
For FM:	
Operation Frequency:	88.1MHz-107.9MHz
Modulation Type:	FM
Antenna Type:	on-board antenna

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

3.3 Separation Distance

Minimum test separation distance:	20cm
Remark: This minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander.	



3.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

3.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd.

Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

3.6 Deviation from Standards

None



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3.7 Abnormalities from Standard Conditions

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

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4 RF Exposure Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) 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
 RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The



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emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

Friis Formula

Friis transmission 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

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

4.1.2 Test Procedure

Software provided by client enabled the EUT to transmit data at lowest, middle and highest channel individually

4.1.3 EUT RF Exposure Evaluation

RF Exposure Evaluation Distance: 20cm

For BT:

The Power Data is based on the RF Test Report SZCR260700311402

Antenna Gain: -0.58dBi

Frequency (MHz)	Maximum EIRP [dBm]	Power Density (mW/cm ²)	Limit (mW/cm ²)	Ratio	Verdict
2402	1.89	0.0003	1	0.0003	Pass

Note: Refer to report No. SZCR260700311402 for EUT test Max Power Value.

For FM:

E-field strength(dBuV/m)	EIRP (dbm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Ratio	Verdict
48.28	-46.95	0.000000004	0.2	0.0000	Pass



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Note: $EIRP = p_t \times g_t = (E \times d)^2 / 30$ (According to ANSI C63.10 Annex G.1)

where

p_t is the transmitter output power in watts

g_t is the numeric gain of the transmitting antenna (dimensionless)

E is the electric field strength in V/m

d is the measurement distance in meters (m)

$V/m = 10^{(((dBuV/m) - 120) / 20)}$

Note: Refer to report No. SZCR260700311403 for EUT test Max E-field strength.

Simultaneous transmission

Test Mode	BT	FM	Total Ratio	Limit	Verdict
Maximum Ratio	0.0003	0.0000	0.0003	1	Pass

The EUT meet the Exemption Limits for Routine Evaluation – SAR Evaluation, so no SAR evaluation is required for the EUT.



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5 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2607003114AT

-End of the Report-

