

FCC RF EXPOSURE REPORT

For

Electric fireplace

MODEL NUMBER: W100-12

REPORT NUMBER: 4791862043.1-2-RF-2

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Prepared for

Source Pro Industries Ltd.

**Workshop No.18, 10/F, Metro Centre, No. 32, Lam Hing Street, Kowloon, 852
Hongkong**

Prepared by

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<u>Revision History</u>			
Rev.	Issue Date	Revisions	Revised By
V0	September 1, 2025	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Source Pro Industries Ltd.
Address: Workshop No.18, 10/F, Metro Centre, No. 32, Lam Hing Street,
Kowloon, 852 Hongkong

Manufacturer Information 1

Company Name: Dongguan Source Pro Electrical Mfg Co Ltd
Address: No.6,Yin Feng First Road , Yin Hu Industrial Park, Xiegang
Town, Dongguan City Guangdong Province 523598

Manufacturer Information 2

Company Name: FHL Industries Co.,LTD(Cambodia)
Address: Chambok Village, Vorisor Commune, Samraong Tong District,
Kampong Speu Provinces

EUT Description

EUT Name: Electric fireplace
Model: W100-12
Brand: /
Sample Received Date: July 8, 2025
Sample Status: Normal
Sample ID: 8683787-2
Date of Tested: August 29, 2025

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	PASS

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules IC (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note 1: All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.

4. EQUIPMENT UNDER TEST

4.1. DESCRIPTION OF EUT

EUT Name	Electric fireplace
Model	W100-12
Frequency Range:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Normal Test Voltage:	AC 120V/60Hz

5. REQUIREMENT

LIMIT

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (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/150	30
1500-100,000	--	--	1.0	30
Note 1: f = frequency in MHz, * means Plane-wave equivalent power density				
Note 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.				
Note 3: The limit value 1.0mW/cm ² is available for this EUT.				

MPE CALCULATION METHOD

$$S = PG / (4\pi R^2)$$

where: S = power density (in appropriate units, e.g. mW/ cm²)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

CALCULATED RESULTS

Radio Frequency Radiation Exposure Evaluation

2.4G Mode (Worst case)			
Maximum Conducted Power	Antenna Gain	Power density	Limit
(dBm)	(dBi)	(mW/ cm ²)	
-14.3	1.37	0.00001	1

Note 1: The calculated distance is 20 cm.

2. The power comes from OD.

3. Power density is 0 mW/cm² less than 1mW/cm².

END OF REPORT