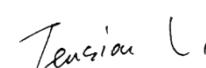


<b>Test Report Number:</b>	LCZE24120045	<b>Total Page(s):</b> 3			
<b>Applicant Name:</b>	Infinite Candle Limited Trading as Sonua				
<b>Applicant Address:</b>	32 Campion Avenue, Abbeyfort, Kinsale, Co.Cork, Ireland, P17 R266.				
<b>Test item:</b>	Electronic flameless candle light				
<b>Model / Type Reference:</b>	CL-P198				
<b>FCC ID:</b>	2BNGT-CAN-I-V1				
<b>Date of Issue:</b>	2025-01-10				
<b>Testing Laboratory:</b>	LCTECH Guangdong Testing Services Co., Ltd. 2/F., Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China				
<b>Test Specification:</b>	KDB 447498 D01 General RF Exposure Guidance v06				
<b>Test Result:</b>	Passed				
<b>Compiled by:</b>	<b>Reviewed by:</b>				
2025-01-10 Rex He		2025-01-10 Tension Li			
Date	Name	Signature	Date	Name	Signature
<b>Remark:</b> N/A					
<p>The duplication of this report or parts of it and its use for advertising purposes is only allowed with permission of the testing laboratory. This report contains the result of the examination of the product sample submitted by the applicant. A general statement concerning the quality of the products from the series manufacture cannot be derived therefore.</p>					

## RF Exposure Evaluation

### Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density(mW /cm <sup>2</sup> )	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 <sup>2</sup> )	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 <sup>2</sup> )	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

f = frequencyinMHz

Friis transmission formula: $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$

Where

**Pd** =power density in mW/cm<sup>2</sup>, **Pout**= output power to antenna in mW;

**G** = gain of antenna in linear scale,**Pi**=3.1416;

**R** = distance between observationpoint andcenter of theradiatorincm

Pdid the limit of MPE,1mW/cm<sup>2</sup>.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 where the MPE limit is reached.

### Test Procedure

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

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## Test Result of RF Exposure Evaluation

### BLE mode

Channel	Output power to antenna(dBm)	Output power to antenna(mW)	Power Density at R=20cm (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )	Result
BLE_2M_2402MHz	0.981	1.25	0.00062	1.0	PASS

Remark: antenna gain=2.5dBi

The max power density is less than MPE exempt limit, so it is compliance.