



FCC TEST REPORT

FCC ID: 2BYD9-WWT802

Product	:	Dual-Zone Water Timer
Model Name	:	WWT802
Brand	:	N/A
Report No.	:	PTC26072904402E-FC03
Prepared for		
Hangzhou Lingpu Intelligent Technology Co., Ltd.		
Room 413, 4th Floor, Building 3, No.10 Jiaqi Road, Xianlin Subdistrict, Yuhang District, Hangzhou City, Zhejiang Province, China		
Prepared by		
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TEST RESULT CERTIFICATION

Applicant's name : Hangzhou Lingpu Intelligent Technology Co., Ltd.
Address : Room 413, 4th Floor, Building 3, No.10 Jiaqi Road, Xianlin
Subdistrict, Yuhang District, Hangzhou City, Zhejiang Province,
China
Manufacture's name : Hangzhou Lingpu Intelligent Technology Co., Ltd.
Address : Room 413, 4th Floor, Building 3, No.10 Jiaqi Road, Xianlin
Subdistrict, Yuhang District, Hangzhou City, Zhejiang Province,
China
Product name : Dual-Zone Water Timer
Model name : WWT802
Test procedure : FCC CFR47 Part 1.1307(b)(1)
Test Date : Aug. 11, 2026 to Sep. 29, 2026
Date of Issue : Sep. 29, 2026
Test Result : PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack Zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	FCC CFR47 Part 1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	Dual-Zone Water Timer
Model Name	:	WWT802
Specification	:	BLE 802.11b/g/n HT20/HT40/ax20/ax40
Operation Frequency	:	2412-2462MHz for 802.11b/g/ n(HT20)/ax20 2422-2452MHz for 802.11 n(HT40)/ax40
Number of Channel	:	40 channels For DTS 11 channels for 802.11b/g/ n(HT20)/ax20 7 channels for 802.11n(HT40)/ax40
Type of Modulation	:	GFSK, For DTS DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n; OFDM with BPSK/QPSK/16QAM/64QAM//256QAM for 802.11ax;
Antenna installation	:	FPC antenna
Antenna Gain	:	2.07 dBi
Power supply	:	DC 3V Powered by 4 AA batteries (2 in parallel and 2 in series)
Hardware Version	:	V1.6
Software Version	:	N/A



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

4.1 Requirements

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 levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	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

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$P_d = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Result
2402_BLE_1M	1.61	3.51	3.51±1	2.8249	0.000905	1	Pass
2412_11g	1.61	13.42	13.42±1	27.669416	0.008866	1	Pass

Note: BT and WLAN can't Simultaneous transmission.

*****THE END REPORT*****