

Dates of Tests: July 22, 2026 ~ August 14, 2026
Test Site : LTA CO., LTD.

CERTIFICATION OF COMPLIANCE

FCC ID.

2BXR6WV2

APPLICANT

Watervation CO., LTD.

Equipment Class	:	Digital Transmission System (DTS)
Manufacturing Description	:	Humidifier
Manufacturer	:	Watervation CO., LTD.
Model name	:	WV2
Test Device Serial No.:	:	Identical prototype
Rule Part(s)	:	FCC Part 15.247 Subpart C ; ANSI C63.10 - 2020
Frequency Range	:	2402 ~ 2480 MHz – BT BLE 2412 ~ 2462 MHz – 802.11 b/g/n20/n40/ax20 5180 ~ 5825 MHz – 802.11 a/an20/an40/ac20/ax20
Max. Output Power	:	0.4178 W
Data of issue	:	August 14, 2026

This test report is issued under the authority of:

The test was supervised by:



Eun-Hwan Jung, Manager



Jae-Humm Yeon, Test Engineer

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1. General information

1-1 Test Performed

Company name : LTA Co., Ltd.
 Address : 243, Jubug-ri, Yangji-Myeon, Youngin-Si, Kyunggi-Do, Korea. 449-822
 Web site : <http://www.ltalab.com>
 E-mail : chahn@ltalab.com
 Telephone : +82-31-323-6008
 Facsimile : +82-31-323-6010

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the competents of calibration and testing laboratory”.

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity	Reference
RRA	KOREA	KR0049	-	EMC accredited Lab.
FCC	U.S.A	649054	2027-02-27	FCC CAB
VCCI	JAPAN	C-14948	2026-09-10	VCCI registration
VCCI	JAPAN	T-12416	2026-09-10	VCCI registration
VCCI	JAPAN	R-14483	2026-10-15	VCCI registration
VCCI	JAPAN	G-10847	2027-12-13	VCCI registration
IC	CANADA	5799A-1	2026-08-05	IC filing

2. Information about test item

2-1 Client & Manufacturer

Client Company name : Watervation CO., LTD.

Address : 313, 32 Cheonancheon 4-gil, Seobuk-gu, Cheonan-si, Chungcheongnam-do, Republic of Korea

Tel / Fax : TEL No : +82-010-7468-0915 / FAX No : + 82-070-8693-1654

Manufacturer : Watervation CO., LTD.

Address : 313, 32 Cheonancheon 4-gil, Seobuk-gu, Cheonan-si, Chungcheongnam-do, Republic of Korea

Tel / Fax : TEL No : +82-010-7468-0915 / FAX No : + 82-070-8693-1654

2-2 Equipment Under Test (EUT)

Model name : WV2

Serial number : Identical prototype

Date of receipt : July 22, 2026

EUT condition : Pre-production, not damaged

Antenna type : PCB Antenna (Max Gain : 3.62 dBi)

Frequency Range : 2402 ~ 2480 MHz – BT BLE
2412 ~ 2462 MHz – 802.11 b/g/n20/n40/ax20
5180 ~ 5825 MHz – 802.11 a/an20/an40/ac20/ax20

RF output power : 0.4178 W

Type of Modulation : GFSK, DSSS/CCK, OFDM, OFDMA

Power Source : DC 12 V by Adapter

2-3 Tested frequency

	LOW	MID	HIGH
Frequency (MHz) - BLE	2402	2440	2480
Frequency (MHz) – 802.11 b/g/n20/n40/ax20	2412	2442	2462
Frequency (MHz) – 802.11 a/an20/an40/ac20/ax20	5180	5500	5825

2-4 Ancillary Equipment

Equipment	Model No.	Serial No.	Manufacturer
-	-	-	-

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Limit	Test Condition	Status (note 1)
§1.1310 and §2.1091	RF EXPOSURE EVULATION	-	-	C

Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable

3.2 RF EXPOSURE EVULATION

1.1 Limit

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

(B) Limits for General Population/Uncontrolled Exposures

Frequency range (MHz)	Electric field Strength (V/m)	Magnetic field Strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	*(100)	<6
3.0 - 30	1824/f	4.89/f	*(900/f ²)	<6
30 - 300	61.4	0.163	1.0	<6
300 – 1,500			f/300	<6
1,500 – 100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3 – 3.0	614	1.63	*(100)	<30
3.0 - 30	824/f	2.19/f	*(180/f ²)	<30
30 - 300	27.5	0.073	0.20	<30
300 – 1,500			f/1500	<30
1,500 – 100,000			1.0	<30

F = frequency in MHz

* = Plane-wave equivalent power density

1.2 MAXIMUM PERMISSIBLE EXPOSURE Prediction

	Power Level (dBm)	Rated Power	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
802.11 g	26.21	36.00	0.19	1.00

- The max antenna gain is 3.62 dBi provided by manufacture
- A 50% transmit duty cycle was applied to the MPE evaluation.
- MPE evaluate distance is at least 20 cm from user manual provide by manufacturer