



CE-Health TEST REPORT

Client Name : XonTel Technology Trd. Co. W.L.L.
Address : Kuwait City Aladel Tower, F21 QIBLA, Zip Code: 13065. State of Kuwait.
Product Name : WiFi Thermostat
Test Model No. : AC-01
Report No. : CCTI-2023061507-3E
Issued Date : Jun. 26, 2023


Prepared By : Shenzhen CCTI Technology Co., Ltd.
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CCTI Web : www.ccti-lab.com



Scan code for report

TEST REPORT VERIFICATION

Applicant : XonTel Technology Trd. Co. W.L.L.
Address : Kuwait City Aladel Tower, F21 QIBLA, Zip Code: 13065. State of Kuwait.
Manufacturer : XonTel Technology Trd. Co. W.L.L.
Address : Kuwait City Aladel Tower, F21 QIBLA, Zip Code: 13065. State of Kuwait.
Product Name : WiFi Thermostat
Model No. : AC-01
Series No. : N/A
Trade Mark : 
Rating(s) : Input: DC 5V
Test Date : Jun. 09, 2023 to Jun. 26, 2023
Test Standard(s) : EN IEC 62311:2020
EN 50665:2017
Test Result : PASS

This device described above has been tested by CCTI, and the test results show that the equipment under test (EUT) is in compliance with the 2014/53/EU RED Directive Art.3.1(a) requirements. The results shown in this test report refer only to the sample(s) tested unless other wise stated and the sample(s) are retained for 30 days only.

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Producer By :


(Betty Liang / Engineer)

Date : Jun. 26, 2023



Authorized Signer :


(Corey Mao / Manager)

Date : Jun. 26, 2023

1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

EUT Name	:	WiFi Thermostat								
Model No.	:	AC-01								
Series No.	:	N/A								
Model Difference	:	N/A								
Trademark	:									
Product Description	:	The EUT is WiFi Thermostat. 2.4G WIFI								
		<table border="1"> <tr> <td>Operation frequency:</td> <td>IEEE 802.11 b/g/n20 2412-2472MHz IEEE 802.11 n40 2422-2462MHz</td> </tr> <tr> <td>Modulation Type:</td> <td>DSSS, OFDM</td> </tr> <tr> <td>Antenna Designation:</td> <td>Internal Antenna</td> </tr> <tr> <td>Antenna Gain (Peak):</td> <td>1.0 dBi</td> </tr> </table>	Operation frequency:	IEEE 802.11 b/g/n20 2412-2472MHz IEEE 802.11 n40 2422-2462MHz	Modulation Type:	DSSS, OFDM	Antenna Designation:	Internal Antenna	Antenna Gain (Peak):	1.0 dBi
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	Modulation Type:	DSSS, OFDM								
	Antenna Designation:	Internal Antenna								
Antenna Gain (Peak):	1.0 dBi									
		Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.								
Channel List	:	Refer to below								
Hardware Version	:	V2.0								
Software Version	:	V2.0								
Power supply	:	Input: DC 5V								
Remark:										
(1) AC-01 was selected as the test model and the datas have been recorded in this report.										
(2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.										
Note:										
This test report is issued for the purpose of Co-license.										
This report is based on report CCTI-2023061505-3E, the new models AC-01 in Co-license are the same as original models PCT513-TY mentioned in test report CCTI-2023061505-3E respectively except for trademark "  " and license holder "XonTel Technology Trd. Co. W.L.L.", no further test need.										

2. EN IEC 62311 REQUIREMENT

2.1. GENERAL INFORMATION

According to its specifications, the EUT must comply with the requirements of the following standards:

EN IEC 62311:2020 [Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (0 Hz to 300 GHz)]

EN 50663:2017 [Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz-300GHz)]

2.2. LIMIT

A. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

NOTE: Equipment is described as A/V equipment, ITE or MME if its main use is playback / recording of music, voice or images, or processing of digital information.

B. The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2.

C. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2.

D. Measurements or calculations show that the available antenna power and / or the average total radiated power are below the low-power exclusion level defined in 4.2.

3. RESULT

3.1. Summary of Results

Limit (W/ m ²)	Result (W/ m ²)	Verdict
10	0.054	PASS

3.2. MPE Evaluation

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

P = Power input to antenna

G = Antenna Gain

R = distance to the center of radiation of antenna (in meter) = 0.2 m

$\pi = 3.142$

The maximum power density at a distance of 0.2 m for EUT is shown as below:

Operation Mode	Max. EIRP (W)	Antenna Gain (dBi)	R (m)	S (W/m ²)	Limit (W/m ²)	Conclusion
2.4G WIFI	0.027	1	0.2	0.054	10	PASS

3.3. Measurement Uncertainty

Extended Uncertainty (k=2) 95% 0.5dB

***** END OF REPORT *****