



RF Exposure Evaluation Report

Application No.: DNT2601230199R01056-01337
Applicant: Cixi Yongci Electric Appliance Co., Ltd.
Address of Applicant: No. 1003 Guanfu Road, Fuhai Town, Cixi City, Ningbo City, Zhejiang Province
EUT Description: HEATER
Model No.: YC-HY15
FCC ID: 2BUT6-YC-HY15
Power Supply: Input AC 120V/60Hz
Trade Mark: /
47 CFR Part 2.1091
Standards: FCC KDB 447498 D01 v06
Date of Receipt: 2026/01/23
Date of Test: 2026/01/24 to 2026/02/02
Date of Issue: 2026/02/03
Test Result: PASS

Prepared By: Carl. Lin (Testing Engineer)

Reviewed By: Wayne. Lin (Project Engineer)

Approved By: Heise Lin (Manager)



Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.

Dongguan DN Testing Co., Ltd.

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Feb.3, 2026	Valid	Original Report



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1 General Information

1.1 Test Location

Company:	Dongguan DN Testing Co., Ltd
Address:	No. 1, West Fourth Street, South Xinfu Road, Wusha Liwu, Chang ' an Town, Dongguan City, Guangdong P.R.China
Test engineer:	Gali Lin

1.2 General Description of EUT

Manufacturer:	Cixi Yongci Electric Appliance Co., Ltd.
Address of Manufacturer:	No. 1003 Guanfu Road, Fuhai Town, Cixi City, Ningbo City, Zhejiang Province
Factory:	Cixi Yongci Electric Appliance Co., Ltd.
Address of Factory:	No. 1003 Guanfu Road, Fuhai Town, Cixi City, Ningbo City, Zhejiang Province
EUT Description:	HEATER
Model No.:	YC-HY15
Additional Model(s):	/
Power Supply:	Input AC 120V/60Hz
Trade Mark:	/
Hardware Version:	V1.0
Software Version:	V1.0
Chip Type:	W701
Serial number	PR2601230199R01056
Sample Type:	☐ Portable Device, ☐ Module, ☒ Mobile Device
Antenna Type:	☐ External, ☒ Integrated
Antenna Ports:	☒ Ant 1, ☐ Ant 2, ☐ Ant 3
Antenna Gain:	☒ Provided by applicant 2.54dBi
Note: *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, DNT is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.	



2 RF Exposure Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	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 ²)	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 ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30
F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).				

Friis Formula

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

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². 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 r where the MPE limit is reached.



2.1.2 Test Procedure

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

2.1.3 EUT RF Exposure Evaluation

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 2.0 / 2.0 in linear scale.

Output Power Into Antenna & RF Exposure Evaluation Distance:

This confirmed that the device comply with MPE limit.

Test Mode	Antenna	Freq(MHz)	Power [dBm]
GFSK 1Mbps	Ant1	2402	3.30
	Ant1	2440	3.22
	Ant1	2480	3.51

Test Mode	Antenna	Freq(MHz)	Power [dBm]
11B	Ant1	2412	15.73
	Ant1	2437	16.12
	Ant1	2462	16.15
11G	Ant1	2412	12.41
	Ant1	2437	12.94
	Ant1	2462	12.85
11N20SISO	Ant1	2412	12.46
	Ant1	2437	13.01
	Ant1	2462	12.74

The Worst Mode	Antenna	MAX output power (dBm)	Target power (dBm)	MAX Target power (dBm)	Antenna gain		Power Density (S) (mW /cm ²)	Limited of Power Density (S) (mW /cm ²)	Test Result	Distance (cm)
					(dBi)	(Linear)				
BLE GFSK 1Mbps	Ant1	3.51	3±1	4	2.54	1.79	0.0009	1	Complies	20
11b(2.4G Wi-Fi)	Ant1	16.15	16±1	17	2.54	1.79	0.0179	1	Complies	20

The End Report