



FCC TEST REPORT

FCC ID: 2ASTG-DH-JH04W

Product	:	Air Purifier
Model Name	:	DH-JH04W
Serial model	:	MGK22J04W, MJH004W, MG04WJH, MK04W, MGJHQ04W, MJ004WH, BJ04WH, BM04WJHQ, BMJH04W, JHQ004WM, 22JHQ04WB, 04WJH22M, J04WHMG, BJ04WHM, MKJHQ04W
Brand	:	N/A
Report No.	:	PTC22052404201E-FC03

Prepared for

Guangdong Shunde NOON Electrical Appliance Manufacturing Co., Ltd
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Prepared by

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**TEST RESULT CERTIFICATION**

Applicant's name : Guangdong Shunde NOON Electrical Appliance Manufacturing Co., Ltd
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Manufacturer's name : Guangdong Shunde NOON Electrical Appliance Manufacturing Co., Ltd
Address : Floor 1-4, Building A, No.8, Zhiye Road, Shunjiang Residents Committees Industrial Park, Beijiao Town, Shunde District, Foshan city, Guangdong Province, China

Product name : Air Purifier
Model name : DH-JH04W, MGK22J04W, MJH004W, MG04WJH, MK04W, MGJHQ04W, MJ004WH, BJ04WH, BM04WJHQ, BMJH04W, JHQ004WM, 22JHQ04WB, 04WJH22M, J04WHDG, BJ04WHM, MKJHQ04W

Test procedure : FCC CFR47 Part 1.1307(b)(1)

Test Date : Jul. 05, 2022 to Aug. 6, 2022

Date of Issue : Oct. 24, 2022

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:

Simon Pu / Engineer

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Contents

	Page
2 TEST SUMMARY	4
3 GENERAL INFORMATION	5
3.1 GENERAL DESCRIPTION OF E.U.T	5
4 RF EXPOSURE	6
4.1 REQUIREMENTS	6
4.2 THE PROCEDURES / LIMIT	6
4.3 MPE CALCULATION METHOD	7
4.4 TEST RESULT	7



2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	15.247 (i)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	Air Purifier
Model Name	:	DH-JH04W
Additional model	:	MGK22J04W, MJH004W, MG04WJH, MK04W, MGJHQ04W, MJ004WH, BJ04WH, BM04WJHQ, BMJH04W, JHQ004WM, 22JHQ04WB, 04WJH22M, J04WJMG, BJ04WJHM, MKJHQ04W
Differences Description	:	Only the model name is different.
Specification	:	802.11b/g/n HT20/HT40 BLE
Operation Frequency	:	2412-2462MHz for 802.11b/g/ n(HT20/HT40) 2402-2480MHz for BLE
Number of Channel	:	11 channels for 802.11b/g/ n(HT20/HT40) 40 channels For DTS
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n; GFSK, For DTS
Antenna installation	:	PCB antenna
Antenna Gain	:	2.54 dBi
Power supply	:	AC 120V/60Hz 0.48A
Hardware Version	:	V1.0.0
Software Version	:	V2.5.2



4 RF Exposure

Test Requirement : 15.247 (i)

Evaluation Method : FCC Part 2.1091

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
2412(WiFi)	1.79	21.14	21.14±1	163.681652	0.058443	1	Pass
BLE	1.79	0.51	0.51±1	1.415794	0.000506	1	Pass

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