



TEST REPORT EN IEC 62311:2020

Report Reference No. : HK2305081798-2EH

Compiled by

(position+printed name+signature). : Testing engineer Bella Huang

Bella Huang

Supervised by

(position+printed name+signature). : Technique principal Sliver Wan

Sliver Wan

Approved by

(position+printed name+signature). : Manager Jason Zhou

Jason Zhou

Date of issue : 2023/05/25

Testing Laboratory Name : Shenzhen HUAKE Testing Technology Co., Ltd.

Address : 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park,
Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Applicant's name : Focusing Technology Co., Ltd.

Address : 5 Floor, No.8, building 4, Hetanguang, Hebei, Bantian Town,
518129, LongGang district, Shenzhen, China

Test specification :

Standard : EN IEC 62311:2020

TRF Originator : Shenzhen HUAKE Testing Technology Co., Ltd.

Master TRF : Dated 2020-05

Shenzhen HUAKE Testing Technology Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen HUAKE Testing Technology Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen HUAKE Testing Technology Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description : WiFi IP Camera

Trade Mark : N/A

Model/Type reference : NE-H2W

List Model(s) : NE-H2WP, NE-H4W, NE-H4WP, NE-H1W, NE-H1WP,
NE-H7W, NE-H7WP, NE-H6W, NE-H6WP, NE-Q01W,
NE-Q01WP, NE-B02WP, NE-B01W, NE-B01WP, NE-Q06W,
NE-Q06WP, NE-Q05W, NE-Q05WP, NE-Q10W, NE-Q10WP,
NE-Q13W, NE-Q13WP, NE-Q26W, NE-Q26WP, NE-Q28W,
NE-Q28WP, NE-Q02W, NE-Q02WP, NE-Q3W, NE-Q3WP,
NE-Q4W, NE-Q4WP

Hardware Version : V2.0

Software Version : V2.0

Ratings : DC 5V From Adapter

Result : Pass

**TEST REPORT**

Test Report No. :	HK2305081798-2EH	2023/05/25
		Date of issue

Equipment under Test : WiFi IP Camera

Model/Type reference : NE-H2W

List Model(s) : NE-H2WP, NE-H4W, NE-H4WP, NE-H1W, NE-H1WP, NE-H7W, NE-H7WP, NE-H6W, NE-H6WP, NE-Q01W, NE-Q01WP, NE-B02WP, NE-B01W, NE-B01WP, NE-Q06W, NE-Q06WP, NE-Q05W, NE-Q05WP, NE-Q10W, NE-Q10WP, NE-Q13W, NE-Q13WP, NE-Q26W, NE-Q26WP, NE-Q28W, NE-Q28WP, NE-Q02W, NE-Q02WP, NE-Q3W, NE-Q3WP, NE-Q4W, NE-Q4WP

Applicant : Focusing Technology Co., Ltd.

Address : 5 Floor, No.8, building 4, Hetangguang, Hebei, Bantian Town, 518129, LongGang district, Shenzhen, China

Manufacturer : Focusing Technology Co., Ltd.

Address : 5 Floor, No.8, building 4, Hetangguang, Hebei, Bantian Town, 518129, LongGang district, Shenzhen, China



**** Modified History ****

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2023/05/25	Jason Zhou



Table of Contents

Page

1 . GENERAL INFORMATION	5
1.1 GENERAL REMARKS	5
1.2 GENERAL DESCRIPTION OF EUT	5
2 .EN IEC 62311 REQUIREMENT	6
2.1 GENERAL INFORMATION	6
2.2 LIMIT	6
3. RESULT	7

**1. GENERAL INFORMATION****1.1 GENERAL REMARKS**

Date of receipt of test sample	:	2023/05/08
Testing commenced on	:	2023/05/08
Testing concluded on	:	2023/05/25

1.2 GENERAL DESCRIPTION OF EUT

Equipment	WiFi IP Camera	
Model Name.	NE-H2W	
Serial Model	NE-H2WP, NE-H4W, NE-H4WP, NE-H1W, NE-H1WP, NE-H7W, NE-H7WP, NE-H6W, NE-H6WP, NE-Q01W, NE-Q01WP, NE-B02WP, NE-B01W, NE-B01WP, NE-Q06W, NE-Q06WP, NE-Q05W, NE-Q05WP, NE-Q10W, NE-Q10WP, NE-Q13W, NE-Q13WP, NE-Q26W, NE-Q26WP, NE-Q28W, NE-Q28WP, NE-Q02W, NE-Q02WP, NE-Q3W, NE-Q3WP, NE-Q4W, NE-Q4WP	
Difference description	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: NE-H2W.	
Product Description	The EUT is WiFi IP Camera.	
	2.4G Wifi	
	Operation Frequency:	IEEE 802.11b/g/n20 2412-2472MHz IEEE 802.11 n40 2422-2462MHz
	Modulation Type:	DSSS, OFDM
	Antenna Designation:	PCB Antenna
	Antenna Gain(Peak)	2dBi
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	
Note:	For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.	



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)]

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	0.056	passed

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)	R (m)	S (W/m ²)	Limit (W/m ²)	Conclusion
2.4G WIFI	0.028	0.2	0.056	10	PASS

3.3 Measurement Uncertainty

Extended Uncertainty (k=2) 95% 0.5dB

.....**End of Report**.....