

FCC RF EXPOSURE REPORT

For

Doorbell

MODEL NUMBER: DB11

ADDITIONAL MODEL NUMBER: DH-DB11, DHI-DB11, OEM-DB11, DB11X-YZ, DH-DB11X-YZ, DHI-DB11X-YZ, OEM-DB11X-YZ (X, Y, Z can be "0-9", "A-Z" or blank)

PROJECT NUMBER: 4789480366

REPORT NUMBER: 4789480366-2

FCC ID: SVN-DB11

ISSUE DATE: Jun. 29, 2020

Prepared for

Zhejiang Dahua Vision Technology Co., Ltd.

Prepared by

UL-CCIC COMPANY LIMITED No. 2, Chengwan Road, Suzhou Industrial Park, People's Republic of China Tel: +86 512-6808 6400 Fax: +86 512-6808 4099 Website: www.ul.com



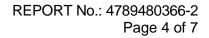
Revision History

Rev.	Issue Date	Revisions	Revised By
V0	03/09/2020	Initial Issue	



TABLE OF CONTENTS

4.	REQUIREMENT	6
3.	FACILITIES AND ACCREDITATION	5
2.	TEST METHODOLOGY	4
1.	ATTESTATION OF TEST RESULTS	4





1. ATTESTATION OF TEST RESULTS

Applicant Information				
Company Name:	Zhejiang Dahua Vision Technology Co., Ltd.			
Address:	No.1199, Bin'an road, Binjiang District, Hangzhou, P.R.China.			
Manufacturer Information				
Company Name:	Zhejiang Dahua Vision Technology Co., Ltd.			
Address:	No.1199, Bin'an road, Binjiang District, Hangzhou,			
	P.R.China.			
EUT Description				
Product Name	Doorbell			
Model Name	DB11			
Additional No.	DH-DB11, DHI-DB11, OEM-DB11, DB11X-YZ, DH-DB11X-YZ, DHI-DB11X-YZ, OEM-DB11X-YZ (X, Y, Z can be "0-9", "A-Z" or blank)			
Sample Number	3045796			
Data of Receipt Sample	May. 06, 2020			
Date Tested	May 06, 2020 ~ May. 26, 2020			

APPLICABLE STANDARDS

STANDARD

TEST RESULTS

FCC Guidelines for Human Exposure IEEE C95.1

Complies

Prepared By:

Jason yang

Tom Tang

Reviewed By:

Jason Yang Engineer

Tom Tang **Engineer Project Associate**

Authorized By:

Chris Zhong

Chris Zhong Laboratory Leader



2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06 and FCC Guidelines for Human Exposure IEEE C95.1.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4829.01) UL-CCIC COMPANY LIMITED has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1247) UL-CCIC COMPANY LIMITED has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. IC (IC Designation No.: 25056) UL-CCIC COMPANY LIMITED has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.
------------------------------	--

Note 1: All tests measurement facilities use to collect the measurement data are located at No. 2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, People's Republic of China

Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS.

Note 3: The test anechoic chamber in UL-CCIC COMPANY LIMITED had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

4. REQUIREMENT

<u>LIMIT</u>

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure						
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)		
0.3-1.34	614	1.63	(100)*	30		
1.34-30	824/f	2.19/f	(180/f2)*	30		
30-300	27.5	0.073	0.2	30		
300-1500			f/150	30		
1500-100,000		1.0		30		
Note 1: f = frequency in MHz, * means Plane-wave equivalent power density						

Note 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Note 3: The limit value 1.0mW/cm² is available for this EUT.

MPE CALCULATION METHOD

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

where: S = power density (in appropriate units, e.g. mW/ cm2)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)



CALCULATED RESULTS

Radio Frequency Radiation Exposure Evaluation

WIFI (Worst case)							
Mode	Max. Tune up Power		Antenna Gain		Power Density	Limit	Test Result
	dBm	mW	dBi	Numeric	mW/cm2	mW/cm2	
11B	19.5	89.13	0.86	1.22	0.02	1	Complies

Note: the calculated distance is 20cm.

END OF REPORT