

FCC RF EXPOSURE REPORT

For

Face Recognition Access Controller

MODEL NUMBER: DHI-ASI8213SA-W

ADDITIONAL MODEL NUMBER:

DH-ASI8213SA-W; ASI8213SA-W; DHI-ASI8213SA-QW; DHASI8213SA-QW; ASI8213SA-QW; DHI-ASI8213SA-3D; DH-ASI8213SA-3D; DHI-ASI8214SA-W; DH-ASI8214SA-W; ASI8214SA-W

PROJECT NUMBER: 4790343889-3

REPORT NUMBER: 4790343889-3-3

FCC ID: SVN-ASI8213SA-W

ISSUE DATE: May. 06, 2022

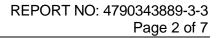
Prepared for

Zhejiang Dahua Vision Technology Co., Ltd.

Prepared by

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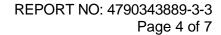
Revision History

Rev.	Issue Date	Revisions	Revised By
V0	05/06/2022	Initial Issue	



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Chris Zhong Laboratory Leader

1. ATTESTATION OF TEST RESULTS

I. ATTESTATION OF TEST RESULTS							
Applicant Information							
Company Name: Address:	Zhejiang Dahua Vision Technology Co., Ltd. No.1199, Bin'an road, Binjiang District, Hangzhou, P.R. China.						
Manufacturer Information Company Name: Address:	Zhejiang Dahua Visi	a Vision Technology Co., Ltd. an road, Binjiang District, Hangzhou,					
EUT Description Product Name: Model Name: Additional No.: Model Difference:	DHI-ASI8213SA-W; DH-ASI8213SA-W; DHASI8213SA-QW DH-ASI8213SA-3D; DHI-ASI8214SA-W; Their electrical circu wiring are identical,	ition Access Controller SA-W SA-W; ASI8213SA-W; DHI-ASI8213SA-QW; A-QW; ASI8213SA-QW; DHI-ASI8213SA-3D; SA-3D; ASI8213SA-3D; SA-W; DH-ASI8214SA-W; ASI8214SA-W al circuit design, layout, components used and internal ntical, only the color and model name is different.					
Sample Number: Data of Receipt Sample: Test Date:	The model DHI-ASI model for compliand 4794973 Mar. 25, 2022 Mar. 28, 2022 ~ Api	ce test.	d as the representative				
	APPLICABLE STA	ANDARDS					
STA	NDARD	TES	ST RESULTS				
	CFR§2.1091 498 D01 V06	Complies					
Prepared By:		Reviewed By:					
Tom Tang		Leon Wu					
Tom Tang		Leon Wu					
Authorized By:							
Chris Zhong							



2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06.

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; CAB No.: CN0073) 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.
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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

LIMIT

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)	PowerDensity (S) (mW/cm²)	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

 $S = PG/(4\pi R2)$

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)



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CALCULATED RESULTS

WIFI (Worst case)							
Mode	Output Power to Antenna		Antenna Gain		Power Density	Limit	Test Result
11b	(dBm)	(mW)	(dBi)	(Numeric)	(mW/cm2)	(mW/cm2)	
	15.5	35.48	1.79	1.51	0.01	1	Complies

Note: the calculated distance is 20cm.

END OF REPORT