

FCC RF EXPOSURE REPORT

For

IP Indoor Monitor

MODEL NUMBER: DHI-VTH8642KMS-W

ADDITIONAL MODEL NUMBER: VTH8642KMS-W, DHI-VTH8642KMS-W-USA

PROJECT NUMBER: 4790254061-21

REPORT NUMBER: 4790254061-21-2

FCC ID: SVN-VTH8642KMSW

ISSUE DATE: Jun. 17, 2022

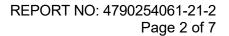
Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	06/17/2022	Initial Issue	-



TABLE OF CONTENTS

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



Chris Zhong Laboratory Leader

1. ATTESTATION OF TEST RESULTS

Applicant Information					
Company Name: Address:		a Vision Technology Co., Ltd. an road, Binjiang District, Hangzhou,			
Manufacturer Information Company Name: Address:	Zhejiang Dahua Visio No.1199, Bin'an road P.R. China.				
EUT Description Product Name: Model Name: Additional No.: Model Difference: Sample Number: Data of Receipt Sample: Test Date:	Their electrical circu wiring are identical, the Model DHI-VTH	Monitor 642KMS-W KMS-W, DHI-VTH8642KMS-W-USA rical circuit design, layout, components used and internal identical, only the color and model name is different. DHI-VTH8642KMS-W was selected as the tive model for compliance test.			
	APPLICABLE STA	NDARDS			
STA	NDARD		TEST 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: 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



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)



CALCULATED RESULTS

WIFI 2.4G (Worst case)						
Operating Mode	Output Power with tolerance		Antenna Gain		Power density	Limit
1 3	(dBm)	(mW)	(dBi)	(num)	(mW/cm ²)	
802.11b	18.0	63.10	4.834	3.04	0.038	1

Note: the calculated distance is 20cm.

END OF REPORT