FCC RF EXPOSURE REPORT

For

IP Indoor Monitor

Standalone Access Control Terminal

MODEL NUMBER: DS-K1T105AE

ADDITIONAL MODEL NUMBER: DS-K1T105AEUHK；DS-K1T105AECKV DS-K1T105AEUVS；DS-K1T105AEKVO；DS-K1T105AEHUN

PROJECT NUMBER: 4789496830

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Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	06/17/2020	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
Address: No.555 Qianmo Road,Binjiang District Hangzhou 310052,China

Manufacturer Information

Company Name: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
Address: No.555 Qianmo Road,Binjiang District Hangzhou 310052,China

Factory Information(1)

Company Name: Hangzhou Hikvision Technology Co., Ltd.
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Factory Information(2)

Company Name: Hangzhou Hikvision Electronics Co., Ltd.
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Factory Information(3)

Company Name: Hangzhou Hikvision Digital Technology Co., Ltd.
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EUT Description

Product Name: Standalone Access Control Terminal
Model Name: DS-K1T105AE
Additional No.: DS-K1T105AEUHK；DS-K1T105AECKV; DS-K1T105AEUVS；DS-K1T105AEKVO；DS-K1T105AEHUN
Sample Number: 3077932
Data of Receipt Sample: May 22, 2020
Date Tested: May 22, 2020~ Jun. 16, 2020

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC Guidelines for Human Exposure IEEE C95.1	Complies

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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

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)	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/cm^2 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) (the measured power value refer to the tune-up document)
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	18	63.10	-0.5	0.89	0.0112	1	Complies

Note: the calculated distance is 20cm.

END OF REPORT