

1 Cover Page

RF Exposure Evaluation Report

Application No.: SHEM2006005224CR
IC: 20199-KD8023E6
Applicant: Hangzhou Hikvision Digital Technology Co., Ltd.
Address of Applicant: No. 555 Qianmo Road, Binjiang District, Hangzhou 310052, China
Manufacturer: Hangzhou Hikvision Digital Technology Co., Ltd.
Address of Manufacturer: No. 555 Qianmo Road, Binjiang District, Hangzhou 310052, China
Factory: 1. Hangzhou Hikvision Technology Co., Ltd.
 2. Hangzhou Hikvision Electronics Co., Ltd.
 3. Hangzhou Hikvision Digital Technology Co., Ltd.
Address of Factory: 1. No.700, Dongliu Road, Binjiang District, Hangzhou City, Zhejiang, 310052, China
 2. No.299, Qiushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou, Zhejiang, 310052, China
 3. No. 555, Qianmo Road, Binjiang District, Hangzhou City, Zhejiang Province, China

Equipment Under Test (EUT):
EUT Name: Door Station
Model No.: DS-KD8023-E6
Standard(s) : RSS-102 Issue 5 (March 2015)
Date of Receipt: 2020-06-29
Date of Test: 2020-07-05 to 2020-07-14
Date of Issue: 2020-07-16

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Parlan Zhan

Parlan Zhan
E&E Section Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.



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Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



Revision Record			
Version	Description	Date	Remark
00	Original	2020-07-16	/

Authorized for issue by:			
			
		<hr/>	
		Micheal Niu / Project Engineer	
			
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		Parlam Zhan / Reviewer	



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3 General Information

3.1 General Description of E.U.T.

Power supply:	DC 12V by Adapter
Serial Number:	AB124M890
Firmware Version:	V2.2.2 build 200402

3.2 Technical Specifications

Number of Channels:	1
Antenna Type:	Loop Antenna
Modulation Type:	ASK
Operation Frequency:	13.56MHz

3.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd. Shanghai Branch

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China.

Tel: +86 21 6191 5666

Fax: +86 21 6191 5678

3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS (No. CNAS L0599)**

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **NVLAP (LAB CODE: 201034-0)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

- **FCC (Designation Number: CN5033)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

- **ISED (CAB Identifier: CN0020)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. EMC Laboratory has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.

4 Test Standards and Limits

4.1 IC Radiofrequency radiation exposure limits

Accordinging RSS-102 Table 1(RF Field Strength Limits for Devices Used by the General Public)

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of ≤5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm
≤300	71 mW	101 mW	132 mW	162 mW	193 mW
450	52 mW	70 mW	88 mW	106 mW	123 mW
835	17 mW	30 mW	42 mW	55 mW	67 mW
1900	7 mW	10 mW	18 mW	34 mW	60 mW
2450	4 mW	7 mW	15 mW	30 mW	52 mW
3500	2 mW	6 mW	16 mW	32 mW	55 mW
5800	1 mW	6 mW	15 mW	27 mW	41 mW

For 13.56MHz Devices RF Field Strength Limits is 71mW@<5mm

5 Measurement and Calculation

5.1 Maximum transmit power

The Power Data is based on the RF Test Report SHEM200600522401

Item	Freq.	Read Level	Antenna Factor	Cable Loss	Result Level@3m	Result Level@SP EC	Limit Line@SP EC	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB/m)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.015	39.18	19.64	0.03	58.85	-21.15	43.85	-65.00	QP
2	0.075	37.61	19.70	0.04	57.35	-22.65	30.12	-52.77	QP
3	0.153	27.67	19.83	0.05	47.55	-32.45	23.92	-56.37	QP
4	0.335	22.89	19.87	0.08	42.84	-37.16	17.09	-54.25	QP
5	1.541	19.20	20.23	0.18	39.61	-0.39	23.88	-24.27	QP
6	4.720	17.31	20.35	0.32	37.98	-2.02	29.5	-31.52	QP
7	13.548	41.22	19.97	0.54	61.73	21.73	29.5	-7.77	Peak

5.2 MPE Calculation

$$61.73\text{dBuV/m} = 0.0004\text{mW} < 71\text{mW}$$

So the device is exclusion from SAR test.

--End of the Report--