RF EXPOSURE REPORT

Applicant	Hangzhou Hikvision Digital Technology Co., Ltd.
Address	No. 555, Qianmo Road, Binjiang District, Hangzhou

Manufacturer or Supplier	Hangzhou Hikvision Digital Technology Co., Ltd.
Address	No. 555, Qianmo Road, Binjiang District, Hangzhou
Product	Fingerprint Access Control Terminal, Standalone Access Control Terminal
Brand Name	HIKVISION
Model	DS-K1T201MF-C
Additional Model & Model Difference	DS-K1T201MF, DS-K1T201CF-C, DS-K1T201CF, DS-K1T200MF-C, DS-K1T200MF, DS-K1T200CF-C, DS-K1T200CF, DS-K1T20XABCD-XYZ
Date of tests	Dec. 27, 2017 ~ Jan. 30, 2018

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Andy Zhu Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	 Date: Feb. 08, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM171227N016	Original release	Feb. 08, 2018

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1. CERTIFICATION

FCC ID:	2ADTD-K1T201MF
PRODUCT:	Fingerprint Access Control Terminal, Standalone Access Control Terminal
BRAND NAME:	HIKVISION
MODEL NO.:	DS-K1T201MF-C
ADDITIONAL NO.:	DS-K1T201MF, DS-K1T201CF-C, DS-K1T201CF, DS-K1T200MF-C, DS-K1T200MF, DS-K1T200CF-C, DS-K1T200CF, DS-K1T20XABCD-XYZ
TEST SAMPLE:	Engineering Sample
APPLICANT:	Hangzhou Hikvision Digital Technology Co., Ltd.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	3.3	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
802.11b	2412-2462	2	+-2	0	4
802.11g	2412-2462	-4	+-2	-6	-2
802.11n(HT20)	2412-2462	-4	+-2	-6	-2

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2462	3.01
802.11g	2462	-2.71
802.11n(HT20)	2462	-3.26

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462	4	3.3	20	0.001608	1.0

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