RF EXPOSURE REPORT

Applicant	Jasboom Smart Technology Limited
Address	201,No.2 Building, No.18 Dalingshan Road, Tianhe District, Guangzhou, China 510620

Manufacturer or Supplier	Jasboom Smart Technology Limited
Address	201,No.2 Building, No.18 Dalingshan Road, Tianhe District, Guangzhou, China 510620
Product	CCTV CAMERA
Brand Name	JASBOOM
Model	JAS200-F09, JAS200-F01
Additional Model & Model Difference	N/A
Date of tests	Nov. 22, 2017 ~ Nov. 24, 2017

☒ **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 Breeze Jiang Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	 Date: Nov. 30, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS171017N012	Original release	Nov. 30, 2017

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1. CERTIFICATION

FCC ID:	2ALRTJAS200F01
PRODUCT:	CCTV CAMERA
BRAND NAME:	JASBOOM
MODEL NO.:	JAS200-F09, JAS200-F01
ADDITIONAL NO.:	N/A
TEST SAMPLE:	Engineering Sample
APPLICANT:	Jasboom Smart Technology Limited
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 (JAS200-F09)	3	Dipole Antenna
Chain 0 (JAS200-F01)	3	FPCB 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)
802.11g	2437	7	+-2	5	9

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11g	2437	7.98

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2437	9	3.0	20	0.003153	1.0

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