

# RF EXPOSURE REPORT

|           |                                                                             |
|-----------|-----------------------------------------------------------------------------|
| Applicant | Shen Zhen joyhonest technology co.,ltd                                      |
| Address   | 3A-1706, hecheng century building, wuhe avenue, longgang district, Shenzhen |

|                                     |                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------|
| Manufacturer or Supplier            | Shen Zhen joyhonest technology co.,ltd                                      |
| Address                             | 3A-1706, hecheng century building, wuhe avenue, longgang district, Shenzhen |
| Product                             | Wifi camera                                                                 |
| Brand Name                          | N/A                                                                         |
| Model                               | JH_2969V2-small                                                             |
| Additional Model & Model Difference | N/A                                                                         |
| Date of tests                       | Apr. 18, 2018 ~ May 02, 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 Breeze Jiang<br>Project Engineer / EMC Department                         | Approved by Glyn He<br>Supervisor / EMC Department                                                         |
|  | <br>Date: May 10, 2018 |

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Test Report No.: FM180418N029

## RELEASE CONTROL RECORD

| ISSUE NO.    | REASON FOR CHANGE | DATE ISSUED  |
|--------------|-------------------|--------------|
| FM180418N029 | Original release  | May 10, 2018 |

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## 1. CERTIFICATION

|                        |                                        |
|------------------------|----------------------------------------|
| <b>FCC ID:</b>         | 2ANNK-JH2969V2-S                       |
| <b>PRODUCT:</b>        | Wifi camera                            |
| <b>BRAND NAME:</b>     | N/A                                    |
| <b>MODEL NO.:</b>      | JH_2969V2-small                        |
| <b>ADDITIONAL NO.:</b> | N/A                                    |
| <b>TEST SAMPLE:</b>    | Engineering Sample                     |
| <b>APPLICANT:</b>      | Shen Zhen joyhonest technology co.,ltd |
| <b>STANDARDS:</b>      | 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 <sup>2</sup> ) | 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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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             | 2               | Wire 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            | 16                 | +/-2            | 14                    | 18                    |
| 802.11n(HT20) | 2412            | 12                 | +/-2            | 10                    | 14                    |

The measured conducted Average Power

| Mode          | Frequency (MHz) | Averaged Power (dBm) |
|---------------|-----------------|----------------------|
| 802.11b       | 2412            | 16.27                |
| 802.11n(HT20) | 2412            | 12.41                |

| FREQUENCY BAND (MHz) | MAX AVERAGE POWER (dBm) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm <sup>2</sup> ) | LIMIT (mW/cm <sup>2</sup> ) |
|----------------------|-------------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2412                 | 18                      | 2                  | 20            | 0.01989                             | 1.0                         |

--- END ---