



## Maximum Permissible Exposure Evaluation FCC ID: 2AF2R-57TX

### 1. Client Information

|                     |   |                                                                                                                                                           |
|---------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant</b>    | : | Shenzhen Videotimes Technology Co.,Ltd                                                                                                                    |
| <b>Address</b>      | : | Room 2106, Building 11, Tianan Yungu Phase II(Plot of Land 02-08) ,<br>Gangtou Community, Bantian Street, Longgang District, Shenzhen,<br>Guangdong.China |
| <b>Manufacturer</b> | : | Shenzhen Videotimes Technology Co.,Ltd                                                                                                                    |
| <b>Address</b>      | : | Room 2106, Building 11, Tianan Yungu Phase II(Plot of Land 02-08) ,<br>Gangtou Community, Bantian Street, Longgang District, Shenzhen,<br>Guangdong.China |

### 2. General Description of EUT

|                               |   |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EUT Name</b>               | : | 2.4GHz Digital Wireless Video Baby Camera                                                                                                                                                                                                                                                                                                                                                    |
| <b>Models No.</b>             | : | HB6256, HB6256-2, HB6256TX, BBM825, FK5363, FK5363-2,<br>FK5363TX, BBM820, VT506, VT506-2, VT506TX, BBM823, BL9057,<br>BL9057-2, BL9057TX, BBM828, BG1058, BG1058-2, BG1058TX,<br>BBM832, HB6359, HB6359-2, HB6359TX, BBM836, VV6010,<br>VV6010-2, VV6010TX, BBM838, JA2303, JA2303-2, JA2303TX,<br>BBM821, HB6550TX, HB6250TX, HB6352TX, BL9052TX, FK5163TX,<br>VT502TX, JA2216TX, CF6851TX |
| <b>Model Different</b>        | : | All of these models are identical in the same PCB, layout and circuit,<br>the only difference is different customer, different model name and<br>appearance.                                                                                                                                                                                                                                 |
| <b>Product Description</b>    | : | Operation Frequency: 2.4GHz:2412MHz~2469MHz                                                                                                                                                                                                                                                                                                                                                  |
|                               | : | Number of Channel: 58Channels                                                                                                                                                                                                                                                                                                                                                                |
|                               | : | Antenna Gain: 2.5 dBi Dipole antenna                                                                                                                                                                                                                                                                                                                                                         |
| <b>Power Rating</b>           | : | Adapter#1: K05S050100U<br>Input:100-240V~50/60Hz,0.2A<br>Output:5V1A<br>Adapter#2: A318-050100W-US2<br>Input:100-240V~50/60Hz,0.2A<br>Output:5V1A                                                                                                                                                                                                                                            |
| <b>Software Version</b>       | : | 1.0                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Hardware Version</b>       | : | 1.0                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Connecting I/O Port(S)</b> | : | Please refer to the User's Manual                                                                                                                                                                                                                                                                                                                                                            |
| <b>Remark</b>                 | : | the evaluation report used the EUT(202302-0288-1-2#).                                                                                                                                                                                                                                                                                                                                        |



## MPE Calculations for WIFI

### 1. EUT Operation Condition:

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

### 2. Exposure Evaluation:

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S=(PG)/4\pi R^2$$

Where

**S:** power density

**P:** power input to the antenna

**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

### 3. Test Result:

**2.4GHz worst reported.**

| Frequency | Conducted Power(max) (dBm) | Turn-up Power (dB) | Max tune up power (dBm) [P] | ANT Gain (dBi) [G] | Distance (cm) [R] | Power Density (mW/ cm <sup>2</sup> ) [S] | Limit of Power Density (mW/ cm <sup>2</sup> ) (S) |
|-----------|----------------------------|--------------------|-----------------------------|--------------------|-------------------|------------------------------------------|---------------------------------------------------|
| 2412MHz   | 13.585                     | 13±1               | 14                          | 2.5                | 20                | 0.00889                                  | 1                                                 |

### 4. Conclusion:

As specified in Table 1B of 47 CFR 1.1310- Limits for Maximum Permissible Exposure (MPE),

#### Limits for General Population/ Uncontrolled Exposure

| Frequency Range (MHz) | Power density (mW/ cm <sup>2</sup> ) |
|-----------------------|--------------------------------------|
| 300-1,500             | F/1500                               |
| 1,500-100,000         | 1.0                                  |

For 2.4GHz:2412~2469 MHz

MPE limit S: 1mW/ cm<sup>2</sup>

The MPE is calculated as **0.00889 mW / cm<sup>2</sup> < limit 1mW / cm<sup>2</sup>**. So, RF exposure limit warning or SAR test are not required.

The EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47 CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.

#### Note

For a more detailed features description, please refer to the RF Test Report.

### 5. Conclusion:

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

-----END OF REPORT-----

