



# 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) , Gangtou Community, Bantian Street, Longgang District, Shenzhen, 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) , Gangtou Community, Bantian Street, Longgang District, Shenzhen, 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, FK5363TX, BBM820, VT506, VT506-2, VT506TX, BBM823, BL9057, BL9057-2, BL9057TX, BBM828, BG1058, BG1058-2, BG1058TX, BBM832, HB6359, HB6359-2, HB6359TX, BBM836, VV6010, VV6010-2, VV6010TX, BBM838, JA2303, JA2303-2, JA2303TX, BBM821, HB6550TX, HB6250TX, HB6352TX, BL9052TX, FK5163TX, VT502TX, JA2216TX, CF6851TX	
<b>Model Different</b>	:	All of these models are identical in the same PCB, layout and circuit, the only difference is different customer, different model name and 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 Input:100-240V~50/60Hz,0.2A Output:5V1A Adapter#2: A318-050100W-US2 Input:100-240V~50/60Hz,0.2A 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-----

