



Maximum Permissible Exposure Evaluation

FCC ID: 2AF2R-62TX

1. Client Information

Applicant	:	Shenzhen Videotimes Technology Co.,Ltd
Address	:	Room 2106, Building 11, Tianan Yungu Phase II(Plot of Land 02-08) , Gangtou Community, Bantian Street, Longgang District, Shenzhen, Guangdong. 518000. China.
Manufacturer	:	Shenzhen Videotimes Technology Co.,Ltd
Address	:	Room 2106, Building 11, Tianan Yungu Phase II(Plot of Land 02-08) , Gangtou Community, Bantian Street, Longgang District, Shenzhen, Guangdong. 518000. China.

2. General Description of EUT

EUT Name	:	2.4GHz Digital Wireless Video Baby Camera	
Models No.	:	HB6339, HB6339-2, HB6339TX, FK3963, FK3963-2, FK3963TX, BBM809, BBM809-2, BBM809TX	
Model Different	:	All of these models have the same PCB, layout and circuitry, the only difference being the different selling model names.	
Product Description	:	Operation Frequency:	2.4GHz:2409.5MHz~2468MHz
	:	Number of Channel:	40Channels
	:	Antenna Gain:	2 dBi External Antenna
Power Rating	:	Adapter: K05S050100U Input:100-240V~50/60Hz,0.2A Output:5V1A	
Software Version	:	1.0	
Hardware Version	:	1.0	
Connecting I/O Port(S)	:	Please refer to the User's Manual	
Remark	:	the evaluation report used the EUT(202203-0211-9-2#).	

MPE Calculations for WIFI

1. Antenna Gain:

External Antenna:2dBi.

2. EUT Operation Condition:

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

3. 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

4. Test Result:

2.4GHz

only show the worst 2439.5MHz.

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 ²) [S]	Limit of Power Density (mW/ cm ²) (S)
2439.5MHz	13.860	13±1	14	2	20	0.00792	1

5. 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 ²)
300-1,500	F/1500
1,500-100,000	1.0

For 2.4G:2409~2468 MHz

MPE limit S: 1mW/ cm²

The MPE is calculated as **0.00792 mW / cm² < limit 1mW / cm²**. 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.

6. Conclusion:

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

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