Maximum Permissible Exposure Evaluation

FCC ID:*2BDR5-24T*

1. Client Information

Applicant	:	Videotimes Technology (Hubei) Co., Ltd
Address	:	B5-1,B5-2, Electronic Information Industry Park, Wuxue, Huanggang, Hubei, China.
Manufacturer	:	Videotimes Technology (Hubei) Co., Ltd
Address	:	B5-1,B5-2, Electronic Information Industry Park, Wuxue, Huanggang, Hubei, China.

2. General Description of EUT

EUT Name	:	2.4GHz Digital Wireless Video Baby Camera	
Models No.	:	HB26,HB2439,BBM801,HB2438,BBM830,HB2438-2,HB2438TX, VT301,VT301-2,VT301TX,BG1038,HB2432,BBM831,HB32, HB32TX,BBM813,BBM813TX,HB26-2,HB26TX,VV6026,HB24, BBM814,HB24-2,HB24TX	
Model Different	:	All of these models are identical in the same PCB, layout and circuit, the only difference is different customer, different model name and appearance.	
Product Description	:	Operation Frequency:	2.4G:2412MHz~2469MHz
		Number of Channel:	58Channels
		Antenna Gain:	1.85dBi Copper Tube Antenna
Power Rating		Please see Note(List:1)	
Software Version	:	1.0	
Hardware Version	:	1.1	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

(1) List:

1#	AC Adapter 1# (Model: K05V050100U): Input: 100-240V~50/60Hz, 0.2A Output: 5.0V⎓1.0A
2#	AC Adapter 1# (Model: K05E050100U): Input: 100-240V~50/60Hz, 0.2A Output: 5.0V⎓1.0A
3#	AC Adapter 1# (Model: A318-050100W-US2): Input: 100-240V~50/60Hz, 0.2A Output: 5.0V⎓1.0A
4#	AC Adapter 1# (Model: K05S050100U): Input: 100-240V~50/60Hz, 0.2A Output: 5.0V⎓1.0A
RSE testing uses only 1# adapters	

MPE Calculations

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^2) [S]	Limit of Power Density (mW/ cm^2) (S)
2412MHz	10.512	10±1	11	1.85	20	0.00383	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^2)
300-1,500	F/1500
1,500-100,000	1.0

For 2.4GHz:2412~2469 MHz
MPE limit S: 1mW/ cm^2
The MPE is calculated as ***0.00383 mW / cm^2 < limit 1mW / cm^2***. 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-----