

Masterwork Aoitek Tech Corp Ltd
11F.-3, No.3, Park St., Nangang Dist., Taipei City 115, Taiwan

Federal Communications Commission
Authorization and Evaluation Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

Applicant's declaration concerning RF Radiation Exposure

We hereby indicate that the product
Product description: Lollipop Pro Baby Camera
Model No: CABC-LOL03

The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The integral antennas used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter within the host device.

A safety statement concerning minimum separation distances from enclosure of the
Product: Lollipop Pro Baby Camera
will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

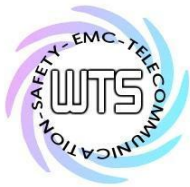
The appropriate information can be drawn from the test report no: W6M22003-19765-C-1,
W6M22003-19765-C-54 and the accompanying calculations.

Company: Masterwork Aoitek Tech Corp Ltd.
Address: 11F.-3, No.3, Park St., Nangang Dist., Taipei City 115, Taiwan

Date: 2020/04/29

Signature

Poxu Chen



Registration number: W6M22003-19765-C-1

FCC ID: 2AE92CABC-LOL03

3.2 Equivalent Isotropic Radiated Power (EIRP)

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain

WLAN

EIRP = 13.26 dBm + (-1.15 dBi [antenna gain claimed by manufacturer]) = 12.11 dBm = 16.2555 mW

BLE

EIRP = 8.52 dBm + (-1.15 dBi [antenna gain claimed by manufacturer]) = 7.37 dBm = 5.4576 mW

3.3 Exemption Limits for Routine Evaluation according to

47 CFR FCC Part 2 Subpart J, section 2.1091

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 20 cm normally can be maintained between the user and the device.

MPE Calculation Method

(A) Limits for Occupational/Controlled Exposure

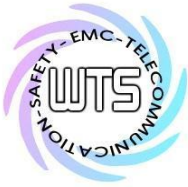
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz

*Plane-wave equivalent power density



Registration number: W6M22003-19765-C-1

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E = Electric field (V/m) P = output power (W) G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

$$Pd \cdot \frac{30 \times P \times G}{377 \times d^2}$$

The formula can be changed to mW/cm².

Established separation distance is 20 cm.

WLAN

Operating frequency band : 2412-2462 MHz

The product meets RF exposure requirement.

Because the power density of 0.0032 mW/cm² at 2412 MHz is below the power density limit of 1 mW/cm².

BLE

Operating frequency band : 2402-2480 MHz

The product meets RF exposure requirement.

Because the power density of 0.0011 mW/cm² at 2402 MHz is below the power density limit of 1 mW/cm².



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3.6 Automatic Discontinuation of transmission, FCC 15.407 (c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.
This function will be declared by manufacturer.

3.7 Reserved, FCC 15.407 (d)

3.8 Indoor Operation Restriction, FCC 15.407 (e)

Within the 5.15–5.25 GHz band, U- NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations. This equipment has to be declared by manufacturer of the final product as content of the user manual.

3.9 Equivalent Isotropic Radiated Power (EIRP), FCC 15.407 (f)

Band 1

EIRP = max. conducted output power + antenna gain

EIRP = 11.06 dBm + (-1.41 dBi [antenna gain claimed by manufacturer] = 9.65 dBm = 9.2257 mW

Band 4

EIRP = max. conducted output power + antenna gain

EIRP = 10.66 dBm + (-1.10 dBi [antenna gain claimed by manufacturer] = 9.56 dBm = 9.0365 mW

Test equipment used: ETSTW-RE 055



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3.10 Exemption Limits for Routine Evaluation according to 47 CFR FCC Part 2 Subpart J, section 2.1091

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 20 cm normally can be maintained between the user and the device.

(A) Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz

*Plane-wave equivalent power density

E = Electric field (V/m) P = output power (W) G = EUT Antenna numeric gain (numeric)
d = Separation distance between radiator and human body (m)

The formula can be changed to $P_d = \frac{30 \times P \times G}{377 \times d^2}$ mW/m².



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Band 1

Established separation distance is 20 cm.

Operating frequency band: 5180-5240 MHz

The product meets RF exposure requirement.

Because the power density of 0.0018 mW/cm^2 at 5240 MHz is below the power density limit of 1 mW/cm^2 .

Band 4

Established separation distance is 20 cm.

Operating frequency band: 5745-5825 MHz

The product meets RF exposure requirement.

Because the power density of 0.0018 mW/cm^2 at 5745 MHz is below the power density limit of 1 mW/cm^2 .