FCC RF EXPOSURE REPORT

For

IP Camera

MODEL NUMBER: IP3M-943B, IP3M-943W, IP3M-943S, IPM-723B, IPM-723W, IPM-723S

FCC ID: ZZ2AMC018AMC020
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Prepared for

Amcrest Technologies LLC
16727 Park Row Dr.Houston, TX 77084

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch
Room 101, Building 10, Innovation Technology Park,
Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
Tel: +86 769 33817100
Fax: +86 769 33244054
Website: www.ul.com

Revision History

Rev.	Issue Date	Revisions	Revised By
--	11/14/2017	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	Amcrest Technologies LLC
Address:	16727 Park Row Dr.Houston, TX 77084

Manufacturer Information

Company Name:	Amcrest Technologies LLC
Address:	16727 Park Row Dr.Houston, TX 77084

EUT Description

Product Name	IP Camera
Brand Name	AMCREST
Model Name	IP3M-943W
Serial Number	IP3M-943B;IP3M-943S;IPM-723B;IPM-723W;IPM-723S
Model Difference	Their electrical circuit design, layout, components used and internal wiring are identical, only the model name, color and selling area are different.
Sample Status:	Normal
Sample ID:	11604
Sample Received:	August 11, 2017
Date Tested	September 11, 2017 ~ September 22, 2017

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC 47CFR§2.1091	Complies

Tested By:

Miller Ma
Engineer Project Associate

Checked By:

Shawn Wen
Laboratory Leader

Approved By:

Stephen Guo

Laboratory Manager

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

3. FACILITIES AND ACCREDITATION

Test Location	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Address	Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
Accreditation Certificate	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. The Certificate Registration Number is 4102.01. UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The Designation Number is CN1187. UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. EMC Laboratory has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320.

4. REQUIREMENT

LIMIT AND CALCULATION METHOD

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

RF EXPOSURE LIMIT

Frequency Range (MHz)	E-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

CALCULATION METHOD

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

Where:

S=power density

P=power input to 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

CALCULATED RESULTS

WIFI Mode(WORST-CASE): 11b Channel 6						
Frequency	Max.Output Power	Max Tune Up Power		Power Density	Power Density Limit	Test Result
MHz	dBm	dBm	mW	mW/cm^2	mW/cm^2	--
2412	15.59	16	39.811	0.012545394	1.0	Complies

Note: 1. Antenna Gain=2.00dBi (Numeric 1.58), π=3.142.
2. The minimum separation distance of the device is greater than 20 cm.
3. Calculate by WORST-CASE mode.
4. Owing to the maximum Calculated Result is below the limit, so it deemed to comply with the basic restrictions without testing which means that no SAR is required.
5. Max Tune Up Power by manufacturer's declaration

END OF REPORT