



Shenzhen CTL Testing Technology Co., Ltd.
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TEST REPORT

EN 62479: 2010

Report Reference No.: CTL1808275021-WH

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Product Name.....: ShotKam Action Camera

Model/Type reference: Shotgun ShotKam

List Model(s).....: N/A

Trade Mark.....: ShotKam

Applicant's name.....: ShotKam LLC

Address of applicant.....: 2820 NW 45th street, Boca Raton, FL 33434 USA

Test Firm.....: Shenzhen CTL Testing Technology Co., Ltd.

Address of Test Firm.....: Floor 1-A, Baisha Technology Park, No.3011, Shahehexi Road,
Nanshan District, Shenzhen, China 518055

Test specification.....:

Standard.....: EN 62479:2010

TRF Originator.....: Shenzhen CTL Testing Technology Co., Ltd.

Master TRF.....: Dated 2011-01

Date of Receipt.....: Aug. 27, 2018

Date of Test Date.....: Aug. 28, 2018–Sep. 04, 2018

Data of Issue.....: Sep. 05, 2018

Result.....: Pass

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TEST REPORT

Test Report No. :	CTL1808275021-WH	Sep. 05, 2018
		Date of issue

Equipment under Test : ShotKam Action Camera

Model /Type : Shotgun ShotKam

Listed Models : N/A

Applicant : **ShotKam LLC**

Address : 2820 NW 45th street, Boca Raton, FL 33434 USA

Manufacturer : **ShotKam LLC**

Address : 936 Clint Moore Road, Boca Raton, FL33487, USA

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



**** Modified History ****

Revision	Description	Issued Data	Report No.	Remark
Version 1.0	Initial Test Report Release	2018-09-05	CTL1808275021-WH	Tracy Qi



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1 GENERAL INFORMATION

1.1 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C -35°C
Relative Humidity:	35%-55 %
Air Pressure:	101 KPa

1.2 Product Description

Product Name:	ShotKam Action Camera			
Model/Type reference:	Shotgun ShotKam			
Power supply:	DC 3.7V from battery			
WIFI 2.4G				
Supported type:	802.11b/802.11g/802.11n(H20)/802.11n(H40)			
Modulation:	802.11b: DSSS 802.11g/802.11n(H20)/802.11n(H40): OFDM			
Operation frequency:	802.11b/802.11g/802.11n(H20): 2412MHz~2472MHz 802.11n(H40): 2422MHz~2462MHz			
Channel number:	802.11b/802.11g/802.11n(H20): 13 802.11n(H40): 9			
Channel separation:	5MHz			
Antenna type:	Ceramic antenna			
Antenna gain:	2.2dBi			
WIFI 5G				
	20MHz system	40MHz system	80MHz system	160MHz system
Supported type:	802.11a 802.11n 802.11ac	802.11n 802.11ac	802.11ac	N/A
Operation frequency:	5180MHz-5240MHz	5190MHz-5230MHz	5210MHz	N/A
Modulation:	OFDM	OFDM	OFDM	N/A
Channel number:	4	2	1	N/A
Channel separation:	20MHz	40MHz	80MHz	N/A
Antenna type:	Ceramic antenna: 4.5dBi on 5GHz			

Note: For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.3 Test Facility

1.3.1 Address of the test laboratory

Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No. 3011, Shahexi Road, Nanshan, Shenzhen 518055 China

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.4 and CISPR 32/EN 55032 requirements.

1.3.2 Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

IC Registration No.: 9618B

The 3m alternate test site of Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration No.: 9618B on November 13, 2013.

FCC-Registration No.: 399832

Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 399832, December 08, 2017.



2 METHOD OF MEASUREMENT

Applicable Standard

EN62479: Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

Limit

20mW (According to the table A.1)

Table A.1 – Example values of SAR-based P_{max} for some cases described by ICNIRP, IEEE Std C95.1-1999 and IEEE Std C95.1-2005

Guideline / Standard	SAR limit, SAR_{max} W/kg	Averaging mass, m g	P_{max} mW	Exposure tier ^a	Region of body ^a
ICNIRP [1]	2	10	20	General public	Head and trunk
	4	10	40	General public	Limbs
	10	10	100	Occupational	Head and trunk
	20	10	200	Occupational	Limbs
IEEE Std C95.1-1999 [2]	1,6	1	1,6	Uncontrolled environment	Head, trunk, arms, legs
	4	10	40	Uncontrolled environment	Hands, wrists, feet and ankles
	8	1	8	Controlled environment	Head, trunk, arms, legs
	20	10	200	Controlled environment	Hands, wrists, feet and ankles
IEEE Std C95.1-2005 [3]	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae

^a Consult the appropriate standard for more information and definitions of terms.

Test result

According to the test report No.: CTL1808275021-WR01 and CTL1808275021-WR02 the power against the limit as follow:

Type	Channel (MHz)	EIRP (dBm)	Output power (mW)	Limit (mW)	Results
WIFI 2.4G	2412	11.77	15.031	20	Pass
WIFI 5G	5180	11.94	15.631		

*****THE END*****