

TEST REPORT

Report Number: 100130092MIN-001 Project Number: G100130092

> Testing performed on the Hyperfire-Series Camera

to 47 CFR, Part 15:2009 §15.107 and §15.109, Class B

For Reconyx, Inc.

Test Performed by: Intertek Testing Services NA, Inc. 7250 Hudson Blvd., Suite 100 Oakdale, MN 55128 Test Authorized by:
Reconyx, Inc.
3828 Creekside Lane, Suite 2
Holmen, WI 54636

Prepared by:	5 Kheper	Date:	June 4, 2010
	Simon Khazon		
Reviewed by:	War Sfeilste	Date:	June 4, 2010
	Norman Shpilsher		

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1.0 DESCRIPTION OF THE SAMPLE (EUT)

Model:	PC900				
Type of EUT:	Hyperfire-Series Professional Camera				
Serial Number:	N/A				
Company:	Reconyx, Inc.				
Customer:	Mr. Darrel Van der Zee				
Address:	3828 Creekside Lane, Suite 2 Holmen, WI 54636				
Phone:	866-493-6064				
e-mail:	darrel@reconyx.com				
Test Standards:	□ EN 55022:2006 +A1:2007, Class □ EN 55011:2007 +A2:2007, Group , Class □ 47 CFR, Part 15:2009, §15.107 and §15.109, Class B □ ICES-003, Issue 4:2004 □ EN 55014-1:2006 □ Class				
Date Sample Submitted:	June 3, 2010				
Test Work Started:	June 4, 2010				
Test Work Completed:	June 4, 2010				
Test Sample Conditions:	☐ Damaged ☐ Poor (Usable) ☐ Good ☐ Prototype ☐ Production ☐ Used				



2.0 TEST SUMMARY

Referring to the performance criteria and the operating mode during the tests specified in this report, the equipment complies with the requirements according to the following standards.

TEST STANDARD	TEST	RESULT
Subpart B – 15.107	Conducted Emissions	N/A
Subpart B – 15.109	Radiated Emissions	Pass

2.1 Statement of the Measurement Uncertainty

Note 1: The measured result in this report is within the specification limits by more than the measurement uncertainty; the measured result indicates that the product tested complies with the specification limit.

The expanded uncertainty (k = 2) for radiated emissions from 30 to 1000 MHz has been determined to be: ± 4 dB at 10m and ± 5.4 dB at 3m

The expanded uncertainty (k = 2) for conducted emissions from 150 kHz to 30 MHz has been determined to be:

±2.6 dB

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3.0 EQUIPMENT UNDER TEST

3.1 Power Configuration

Rate	d voltage:	⊠ 9 VDC fror	m 12 internal	AA-size batteries Other:	
Rate	d current:	Amp.			
	d frequency:	□ 50Hz	□ 60Hz		
Num	ber of phases:	☐1 Phase	☐ 3 Phases	3	
3.2	EUT Configuration				
The e	equipment under test wa	s operated du	ring the mea	asurement under the following conditions:	
- T	Standby Test program (H - Patter Continuous Operation Specific test program	n)			
Ope	rating modes of the EU	IT:			
No.	Description				
1	Pre-programmed specia	al Test Mode			
Cable	es:				
No.	Туре		Length	Designation	Note
	None				
Supp	oort equipment/Service	9 \$:			
No.	Item		Description		
	None				
Gene	eral notes: None				

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3.3 Environmental conditions

During t	he measur	ement the	environmental	conditions were	within the	e listed ranges

Temperature: 15-35 ° C

Humidity: 30-60 %

Atmospheric pressure: 86-106 kPa

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4.0 TEST CONDITIONS AND RESULTS

4.1	Line Conducte	ed Emissions	
Test loc	cation:	OATS	☐ Anechoic Chamber ☐ Other
Γest res	sult:	N/A	
Frequer	ncy range:		0.15MHz-30MHz
Max. En	nissions marg	in:	dB below the limits
Notes:			ration of the electrical characteristics and usage of particular apparatus ing is inappropriate and therefore unnecessary (as battery operated

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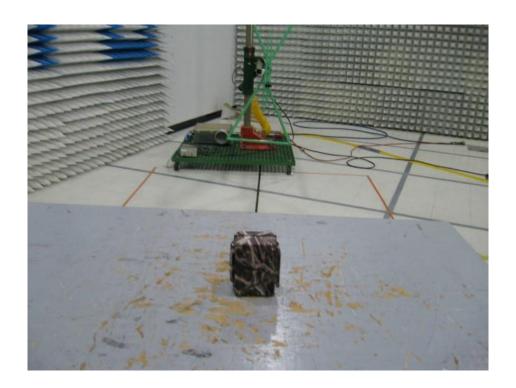
4.2 Radiated Emissions

Description of t	Description of the test location					
Test location:	☐ OATS					
Test distance:	10 meters					
Test result:	Pass					
Frequency ranç	ge:	30MHz-1000MHz				
Max. Emissions	s margin:	5.6 dB below the limits				
	adiated Emissions testi e (see Graphs 1-2 and	ing was performed in the Anechoic chamber at 3m measurement Table 1)				

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Test Setup Photos



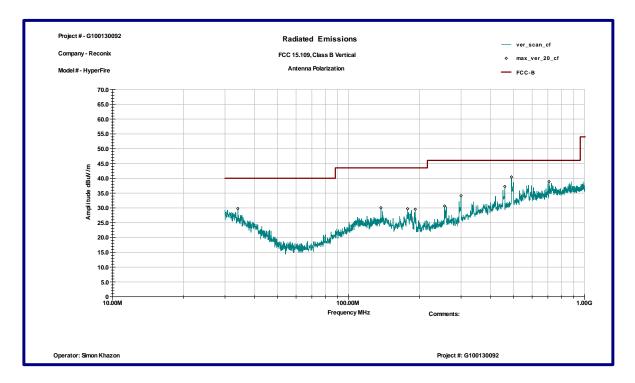
Date:	June 4, 2010	Result:	Pass		
Standard:	FCC Part 15.109, Class A				
Tested by:					
Test Point:	Enclosure				
Operation mode:	See Page 5				
Note:					

Table 1

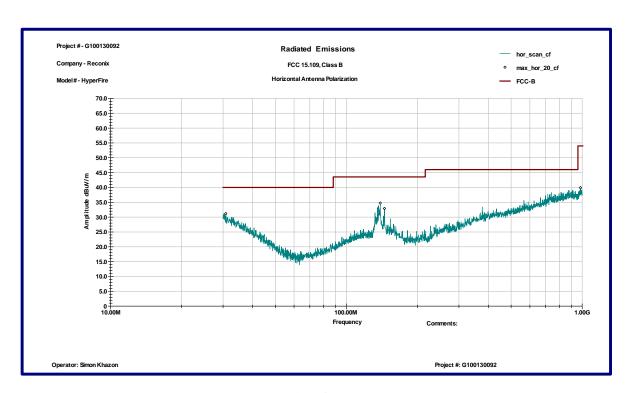
Frequency	Ant.	Peak Reading	Ant.Factor	Total at 3m	QP Limit	Margin
	Polarity	dΒμV	dB1/m	dBµV/m	dBμV/m	dB
34.017 MHz	V	12.9	16.9	29.8	40.0	-10.2
137.31 MHz	V	15.9	14.1	30.0	43.5	-13.5
178.15 MHz	V	18.0	11.7	29.7	43.5	-13.8
191.97 MHz	V	18.1	11.4	29.6	43.5	-14.0
255.63 MHz	V	16.1	14.6	30.6	46.0	-15.4
300.0 MHz	V	18.7	15.4	34.1	46.0	-11.9
460.0 MHz	V	17.9	19.4	37.2	46.0	-8.8
490.48 MHz	V	20.5	20.0	40.4	46.0	-5.6
707.87 MHz	V	16.3	22.6	38.9	46.0	-7.1
30.831 MHz	Н	10.9	20.3	31.2	40.0	-8.8
139.25 MHz	Н	21.6	13.1	34.8	43.5	-8.8
145.03 MHz	Н	20.0	12.9	32.9	43.5	-10.6
983.73 MHz	Н	13.3	26.5	39.9	54.0	-14.1
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Graph 3



Graph 4



5.0 TEST EQUIPMENT

DESCRIPTION	MANUFACTURER	MODEL	SERIAL NO.	INTERTEK ID	CAL DUE	USED
Spectrum Analyzer	R&S	FSP 40	100024	12559	09/10/2010	
Bicono-Log Antenna	Schaffner-Chase	CBL 6112 B	2630	14459	10/02/2010	\boxtimes
System	TILE! Instrument Control		Ver. 3.4.K.29	15259	VBU	\boxtimes

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Test Verification of Conformity

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Applicant Name & Address : Reconyx, Inc.

3828 Creekside Lane, Suite 2

Holmen, WI 54636

Product(s) Tested : Hyperfire-series Outdoor Camera

Model(s) : HC600

Brand name : Reconyx

Relevant Standard(s)/Specification(s): 47 CFR, Part 15:2009, §15.107 and §15.109, Class B

Verification Issuing Office Name &

Address

: Intertek, Oakdale, Minnesota

EMC Department

Date of Test(s) : June 4, 2010

Verification/Report Number(s) : 100130092MIN-001M

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

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Signature:

Name:	Norman Shpilsher
Position:	EMC Staff Engineer
Date:	June 4, 2010