

RF EXPOSURE REPORT

Applicant	Swann Communications PTY Ltd.
Address	Unit 5B, 706 Lorimer Street, Port Melbourne, Victoria 3207, Australia

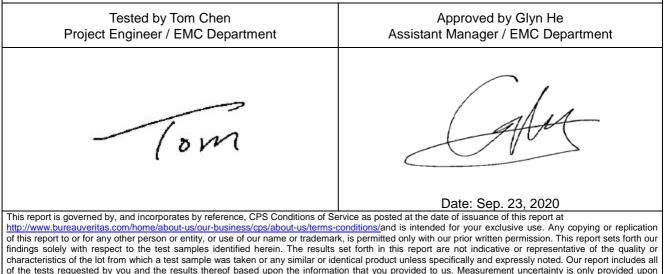
Manufacturer or Supplier	Swann Communications PTY Ltd.		
Address	Unit 5B, 706 Lorimer Street, Port Melbourne, Victoria 3207, Australia		
Product	Xtreem Wire Free Security Camera		
Brand Name	Swann		
Model	SWIFI-XTRCAMW		
Additional Model & Model Difference	N/A		
Date of tests	Jul. 21, 2020 ~ Sep. 14, 2020		

FCC Part 2 (Section 2.1091)

KDB 447498 D01

IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement



of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents

Bureau Veritas Shenzhen Co., Ltd. **Dongguan Branch**

No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province. 523942. People's Republic of China.

Tel: +86 769 8998 2098 Fax: +86 769 8593 1080 Email: customerservice.dg@cn.bureauveritas.com



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM200721N007	Original release	Sep. 23, 2020

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1. CERTIFICATION

FCC ID:	VMISWIFIXTRCAM		
PRODUCT:	Xtreem Wire Free Security Camera		
BRAND NAME:	Swann		
MODEL NO.:	SWIFI-XTRCAMW		
ADDITIONAL NO.:	N/A		
TEST SAMPLE:	SAMPLE: Engineering Sample		
APPLICANT: Swann Communications PTY Ltd.			
STANDARDS:	FCC Part 2 (Section 2.1091)		
	KDB 447498 D01		
	IEEE C95.1		

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2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)			AVERAGE TIME (minutes)		
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE					
300-1500	300-1500 F/150		F/1500	30	
1500-100,000			1.0	30	

F = Frequency in MHz

3. MPE CALCULATION FORMULA

 $Pd = (Pout^{*}G) / (4^{*}pi^{*}r^{2})$

where

 $Pd = power density in mW/cm^2$

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
ANT 1	3.3	FPCB Antenna
ANT 2	2.5	PIFA Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)			Upper Tolerance (dBm)
802.11b	2412-2462	21	+-2	23
802.11g	2412-2462	20	+-2	22
802.11n(HT20)	2412-2462	19	+-2	21

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2437	21.87
802.11g	2437	20.67
802.11n(HT20)	2437	19.62

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm²)	LIMIT (mW/cm²)
2412-2462	23	3.3	20	0.084865	1.0

CONCLUSION:

Both of the Antenna can not transmit simultaneously

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