



Test Report No.: FM2201WDG0152





# 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	Corecam WireFree Security Camera
Brand Name	SWANN
Model	SWIFI-CORECAM
Additional Model & Model Difference	N/A
Date of tests	Jan. 14, 2022 ~ Feb. 28, 2022

- FCC Part 2 (Section 2.1091)
- KDB 447498 D01
- IEEE C95.1

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

Tested by Andy Zhu Supervisor / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	  Date: May 12, 2022

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2201WDG0152	Original release	May 12, 2022

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## 1. CERTIFICATION

**PRODUCT:** Corecam WireFree Security Camera

**BRAND NAME:** SWANN

**MODEL NO.:** SWIFI-CORECAM

**ADDITIONAL MODEL:** N/A

**FCC ID:** VMICORECAM

**TEST SAMPLE:** ENGINEERING SAMPLE

**APPLICANT:** Swann Communications Pty Ltd

**TESTED DATES:** Jan. 14, 2022 ~ Feb. 28, 2022

**STANDARDS:** FCC Part 2 (Section 2.1091)

KDB 447498 D01

IEEE C95.1



## 2. RF EXPOSURE LIMIT

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm <sup>2</sup> )	AVERAGE TIME (minutes)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
300-1500	...	...	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<sup>2</sup>

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:

Mode/ Frequency Band	Antenna Gain (dBi)	Antenna Type
2.4GHz Wi-Fi	2	FPC

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency Band (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
2.4GHz Wi-Fi	2412 ~ 2462	12	+2	10	14

The measured conducted Average Power

Mode Frequency	(MHz) Averaged Power	(dBm)
2.4GHz Wi-Fi	2412	12.88

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
Wi-Fi 2.4GHz	14	2	20	0.00792	1.0

--- END ---