RF EXPOSURE REPORT

Applicant	Swann Communications Pty Ltd.
Address	Unit 13, 331 Ingles Street, Port Melbourne, Australia, 3207

Manufacturer or Supplier	VVDN Technologies PVT Ltd.
Address	D-22, Infocity 2, Sector -33, Gurgaon, Haryana - 122001, INDIA
Product	Smart Video doorbell
Brand Name	Swann
Model	SWADS-WVDP720
Additional Model & Model Difference	N/A
Date of tests	Dec. 19, 2017 ~ Jan. 06, 2018

☒ **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 Project Engineer / EMC Department	Approved by Chris Chen Manager / EMC Department
	 Date: May 18, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS171219N013	Original release	May 18, 2018

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1. CERTIFICATION

FCC ID:	VMISWADS-WVDP720
PRODUCT:	Smart Video doorbell
BRAND NAME:	Swann
MODEL NO.:	SWADS-WVDP720
ADDITIONAL NO.:	N/A
TEST SAMPLE:	Engineering Sample
APPLICANT:	Swann Communications Pty Ltd.
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^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
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^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
Chain 0	3.2	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
802.11b	2412-2462	12	+-2	10	14
802.11g	2412-2462	11	+-2	9	13
802.11n(HT20)	2412-2462	11	+-2	9	13

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
802.11b	2462	13.14
802.11g	2462	11.37
802.11n(HT20)	2462	11.36

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462	14	3.2	20	0.01044	1.0

--- END ---