RF EXPOSURE REPORT

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

Manufacturer or Supplier	LITE-ON NETWORK COMMUNICATION(DONGGUAN)LIMITED
Address	30# Keji Rd., Yin Hu Industrial Area, Qingxi Town, DongGuan City, Guangdong, China 523648
Product	SmartHub
Brand Name	N/A
Model	SWO-HUB01K
Additional Model & Model Difference	N/A
Date of tests	Oct. 09 ~ Dec. 17, 2014

☒ **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 Blue Zheng Project Engineer / EMC Department	Approved by Chris Chen Assistant Manager / EMC Department
	 Date: Dec. 26, 2014

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS141009N036	Original release	Dec. 26, 2014

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1. CERTIFICATION

FCC ID:	VMISWO-HUB01K
PRODUCT:	SmartHub
BRAND NAME:	N/A
MODEL NO.:	SWO-HUB01K
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:

Peak Gain (dBi)	Antenna Type
0	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2412-2462(WIFI)	74.47	0	20	0.014816	1.00

Conclusion

Therefore device complies with FCC's RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)

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