



Test Report No.: FS141020N005

RF EXPOSURE REPORT

Applicant	AwoX
Address	93 place Pierre Duhem, 34000 Montpellier, France

Manufacturer or Supplier	AwoX
Address	93 place Pierre Duhem, 34000 Montpellier, France
Product	AwoX StriimLIGHTTM Wi-Fi Color
Brand Name	AwoX
Model	SLC-W13 E26
Additional Model & Model Difference	N/A
Date of tests	Oct. 10, 2014 ~ Nov. 27, 2014

☒ **FCC Part 2 (Section 2.1091)**☒ **FCC OET Bulletin 65, Supplement C (01-01)**☒ **IEEE C95.1****CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Yuqiang Yin Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	 Date: Nov. 27, 2014

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS141020N005	Original release	Nov. 27, 2014



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1. CERTIFICATION

PRODUCT: AwoX StriimLIGHTTM Wi-Fi Color
BRAND NAME: AwoX
MODEL NO.: SLC-W13 E26
TEST SAMPLE: Engineering Sample
APPLICANT: AwoX
TESTED DATE: Nov. 27, 2014
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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	3.79	Internal 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	81.28	3.79	20	0.039	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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