



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: A7K-SLW10

Project No. : 1403C103
Equipment : AwoX StriimLIGHT™ WiFi
Model : SL-W10
Applicant : AWOX
Address : 93 place Pierre Duhem, 34000 Montpellier, France

According: : FCC Guidelines for Human Exposure IEEE C95.1

Neutron Engineering Inc.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	MAG.LAYERS	PIFA	Internal	N/A	3.79



TEST RESULTS

EUT:	AwoX StriimLIGHT™ WiFi	Model Name :	SL-W10
Temperature:	25 °C	Relative Humidity :	55 %
Test Voltage :	DC 3.7V		
Test Mode :	TX B MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.79	2.3933	6.27	4.2364	0.00201814	1	Complies
3.79	2.3933	8.94	7.8343	0.00373208	1	Complies
3.79	2.3933	9.14	8.2035	0.00390796	1	Complies

EUT:	AwoX StriimLIGHT™ WiFi	Model Name :	SL-W10
Temperature:	25 °C	Relative Humidity :	55 %
Test Voltage :	DC 3.7V		
Test Mode :	TX G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.79	2.3933	10.07	10.1625	0.00484117	1	Complies
3.79	2.3933	12.84	19.2309	0.00916116	1	Complies
3.79	2.3933	12.96	19.7697	0.00941782	1	Complies

The calculated distance is 20 cm