RF Exposure report

Report No.:	HP190830DC001-FWL
FCC ID:	2ARER-SA10
Product Name	Nooie Smart Power Strip
Test Model:	SA10
Received Date:	N/A
Test Date:	2019-8-30~2019-9-18
Issued Date:	2019-9-30
Applicant Name:	Shenzhen Apeman Innovations Technology Co.,Ltd
Applicant Address:	Building P11, Huanancheng, Longgang District, Shenzhen, China
Issued By:	Hwa-Hsing (Dongguan) Testing Co., Ltd.
Lab Address:	No.101, Bld N1, Yuyuan 2Rd, Yuyuan Industrial Park, HuangJiang Town, Dongguan, China
Test Location:	No.101, Bld N1, Yuyuan 2Rd, Yuyuan Industrial Park, HuangJiang Town, Dongguan, China
FCC Designation Number:	CN1255
Standards:	FCC Part 2 (Section 2.1091) KDB 447498 D01 IEEE C95.1

The above equipment has been tested by **Hwa-Hsing (Dongguan) Testing Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : _____ **Date:** Sep. 30, 2019

Tank Tan//Engineer

Approved by : _____ **Date:** Sep. 30, 2019

Harry Li/ Supervisor

Table of contents

Release control record

Issue No.	Reason for change	Date issued
HP190830DC001-FMP	Original release	Sep. 30, 2019

1. RF exposure limit

Limits for maximum permissible exposure (MPE)

Limits for general population / uncontrolled exposure				
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Average time (minutes)
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30
Note: F = Frequency in MHz				

2. 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

Classification:

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.

3. Calculation result of maximum conducted power

The antennas provided to the EUT, please refer to the following table:

Antenna No.	Function/ mode	Frequency Band	Antenna Gain (dBi)	Antenna Type	Transmit and Receive Chain
1	2.4GHz WLAN	2400~2483.5MHz	2.0	PCB Antenna	1TX,1RX

Frequency band (MHz)	Max power (mW)	Antenna gain (dBi)	Distance (cm)	Power density (mW/cm^2)	Limit (mW/cm^2)
2400~2483.5MHz	9.2470	2	20	0.02916	1.0

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

4. Appendix – Information on the Testing Laboratories

We, Hwa-Hsing (Dongguan) Co., Ltd.,A global provider of TESTING and CERTIFICATION services for consumer products, electronic products and wireless information technology products. Adhering to the core values “HONEST and TRUSTWORTHY, OBJECTIVE and IMPARTIALITY, RIGOROUS and AFFICIENT”, commitment to provide professional, perfect and efficient comprehensive ONE-STOP solution of TESTING and CERTIFICATION services for Manufacturers, Buyers, Traders, Brands, Retailers. Assist client to better manage risk, protect their brands, reduce costs and cut time to over 150 markets in global. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lab Address: No.101, Bld N1,Yuyuan 2Rd, Yuyuan Industrial Park, HuangJiang Town, Dongguan, China
Contact Tel: 0769-83078199
Email:customerservice.dg@hwa-hsing.com
Web Site:www.hwa-hsing.com

--- END ---