



# CMA Testing and Certification Laboratories

廠商會檢定中心

## RF EXPOSURE EVALUATION

Report No. : AY00559772(8) Date: Feb 13, 2020

Application No. : LY023332(2)

Applicant : CAPITAL PROSPECT LTD  
ROOM 1303, BLOCK B, VERISTRONG IND. CENTRE,  
34-36 AU PUI WAN STREET, FOTAN,  
SHATIN, N.T., HONGKONG

Sample Description : Two(2) items of submitted sample stated to be

Product Description : Garage Door Controller Mini Nova Hub  
Model : 2NV9  
Sample registration No. : RY037224-003(0) and RY037224-005(1)  
Radio Frequency : 910 – 918MHz and 2412-2462MHz  
Supply voltage : DC 7.5V (EUT)  
AC 100 – 240V (AC Adapter)  
No. of submitted sample : 2

FCC ID : KUT2NV9

Date Received : Oct 2, 2019

Evaluation Period : Oct 3, 2019 – Oct 30, 2019

Evaluation Method : 447498 D01 General RF Exposure Guidance v06 - RF Exposure Procedure and  
Equipment Authorization Policies for Mobile and Portable Devices

Conclusion : The maximum simultaneous power of WiFi and 900MHz operation were satisfied  
RF exposure requirements.

For and on behalf of  
CMA Industrial Development Foundation Limited

Authorized Signature : \_\_\_\_\_

Mr. WONG Lap-pong, Andrew  
Manager

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Document name: FCC RF exposure - Document Ref No: RT-EL-EMC-008 - Issue Date: 01 Dec 2017 - Edition: 1

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### Simultaneous power

The device can operate the 900MHz and WiFi IEEE 802.11b/g/n transmitter simultaneously. Therefore the simultaneous power shall be evaluated for the RF exposure compliance of FCC rule.

### RF Exposure Evaluation

#### Calculation

##### 1) WiFi transmitter (FCC ID: 2ASEO-HM-WF8266A)

According to the RF exposure report of the FCC application with FCC ID: 2AESO-HM-WF8266A,

- The worst case total power density @ 20cm	: 0.003mW/cm <sup>2</sup>
- Limit	: 1.0mW/cm <sup>2</sup>
- Result	: PASS

##### 2) 900MHz transmitter

According to the test result from the FCC test report AY0059771(7),

- Measured field strength @ 3m	: 90.8dBμV/m
- Calculated e.i.r.p.	: 0.363mW (-4.4dBm)
- Calculated Power density @ 20cm	: 0.00007mW/cm <sup>2</sup>
- Limit	: 0.60667mW/cm <sup>2</sup>
- Result	: PASS

##### 3) Simultaneous transmission

According to above calculation,

- Weighted Power Density @ 20cm to limit (WiFi)	: 0.00300
- Weighted Power Density @ 20cm to limit (900MHz transmitter)	: 0.00012
- Total weighted power density @ 20cm	: 0.00312
- Limit	: 1.0
- Result	: PASS

### Conclusion

Based on above calculation, the MPEs of two transmitters individually and simultaneously meet the requirement of OET Bulletin 65 and KDB447498 D01 v06.

\*\*\*\*\* End of Evaluation \*\*\*\*\*