



CMA Testing and Certification Laboratories

廠商會檢定中心

RF EXPOSURE EVALUATION

Report No. : AW0048973(9) Date: Aug 30, 2018

Application No. : LW024138(7)

Applicant : Capital Prospect Ltd.

Sample Description : One(1) item of submitted sample stated to be

Product Description : Garage Door Internet Gateway

Model : NV-001

Sample registration No. : RW023136-001(5)

Radio Frequency : 910 – 918MHz;
2410 – 2462MHz

Supply voltage : 100 – 240Vac, 50/60Hz

No. of submitted sample : 1

FCC ID : KUTNV001

Date Received : July 31, 2018

Evaluation Period : August 2, 2018 – August 29, 2018

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 : _____


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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: 2ADUIESP-12-F)

According to the RF exposure report of the FCC application with FCC ID: 2AQDUIESP-12-F,

- The worst case (IEEE 802.11b mode) total power density @ 20cm : 0.00997mW/cm²
- Limit : 1.0mW/cm²
- Result : PASS

2) 900MHz transmitter

According to the test result from the FCC test report AW0048972(8),

- Measured field strength @ 3m : 87.2dBμV/m
- Calculated e.i.r.p. : 0.155mW (-8.1dBm)
- Calculated Power density @ 20cm : 0.00003mW/cm²
- Limit : 0.60667mW/cm²
- Result : PASS

3) Simultaneous transmission

According to above calculation,

- Weighted Power Density @ 20cm to limit (WiFi) : 0.00997
- Weighted Power Density @ 20cm to limit (900MHz transmitter) : 0.00005
- Total weighted power density @ 20cm : 0.01002
- 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 *****