



RF EXPOSURE EVALUATION

Report No. : AZ0045691(3) Date: Oct 14, 2020

Application No. : LZ026051(3)

Applicant : 9141-0720 Quebec Inc. DBA MANARAS/OPERA
136 Oneida Drive, Pointe-Claire
Canada, H9R 1A8

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

Product Description : Garage Door Controller
Model : MIC-001
Sample registration No. : RZ008595-001(6)
Radio Frequency : 390MHz and 2412-2462MHz
Supply voltage : AC 24V
No. of submitted sample : 1

FCC ID : X7OMIC001

Date Received : Sep 24, 2020


Evaluation Period : Sep 24, 2020 – Sep 29, 2020

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 390MHz 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

The conformity statement stated in Conclusion above is based on the decision rule agreed with applicant and listed in www.cmateesting.org/qac/statement-of-conformity.pdf.
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Simultaneous power

The device can operate the 390MHz 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 ²
- Limit	: 1.0mW/cm ²
- Result	: PASS

2) 390MHz transmitter

According to the test result from the FCC test report AZ0045690(2),

- Measured field strength @ 3m	: 78.2dBμV/m
- Calculated e.i.r.p.	: 0.02mW (-17.0dBm)
- Calculated Power density @ 20cm	: 0.000004mW/cm ²
- Limit	: 0.260000mW/cm ²
- Result	: PASS

3) Simultaneous transmission

According to above calculation,

- Weighted Power Density @ 20cm to limit (WiFi)	: 0.003000
- Weighted Power Density @ 20cm to limit (390MHz transmitter)	: 0.000015
- Total weighted power density @ 20cm	: 0.003015
- 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 *****